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THE URSINUS BULLETIN

Vol. XIX, No. 1

First Quarter, 1921

Ursinus College

1920-1921



COLLEGEVILLE, PENNSYLVANIA

CATALOGUE
OF
URSINUS COLLEGE

1920-1921

"An Institution where the youth of
the land can be liberally educated
under the benign influence of
Christianity."—*The Founders.*

COLLEGEVILLE, PENNSYLVANIA

PUBLISHED BY THE COLLEGE

1921

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1922

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CALENDAR

1921

May 23, Monday,	Senior Final Examinations begin.
May 30, Monday,	Memorial Day, a holiday.
May 31, Tuesday,	Semi-Annual Examinations begin.
June 5, Sunday,	Baccalaureate Sermon, 8 p. m.
June 6, Monday,	Examinations for Admission begin.
June 6, Monday,	Class Day Exercises, 2 p. m.
June 6, Monday,	Junior Oratorical Contests, 8 p. m.
June 7, Tuesday,	Annual Meeting of the Directors, 10 a. m.
June 7, Tuesday,	Alumni Meeting, 1 p. m.
June 7, Tuesday,	Alumni Banquet, 4.30 p. m.
June 8, Wednesday,	Commencement, 10 a. m.
June 20, Monday,	Summer Session begins.
July 29, Friday,	Summer Session ends.
Sept. 13, Tuesday,	Examinations for Admission.
Sept. 13, Tuesday,	Registration and Matriculation of Students.
Sept. 14, Wednesday,	Registration and Matriculation of Students.
Sept. 15, Thursday,	Instruction begins, 9 a. m.
Sept. 15, Thursday,	Opening Address, 8 p. m.
Sept. 17, Saturday,	Registration of Saturday Students.
Oct. 13, Thursday,	Examinations for College standing.
Nov. 23, Wednesday,	THANKSGIVING RECESS begins, 4 p. m.
Nov. 27, Saturday,	RECESS ends, 8 a. m.
Dec. 20, Tuesday,	CHRISTMAS RECESS begins, 4 p. m.

1922

Jan. 3, Tuesday,	RECESS ends, 9 a. m.
Jan. 23, Monday,	Semi-Annual Examinations begin.
Jan. 30, Monday,	SECOND SEMESTER begins, 9 a. m.
Feb. 16, Thursday,	Founders' Day.*
Feb. 22, Wednesday,	Washington's Birthday, a holiday
April 11, Tuesday,	EASTER RECESS begins, 4 p. m.
April 19, Wednesday,	RECESS ends, 9 a. m.
June 4, Sunday,	Commencement Exercises begin.
June 7, Wednesday,	Commencement Exercises end.
June 26, Monday,	Summer Session begins.
Aug. 4, Friday,	Summer Session ends.
Sept. 13, Wednesday,	ACADEMIC YEAR begins.

* Date subject to change.

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HISTORICAL STATEMENT

In the year 1848, a School for the higher education of young men was established at Perkiomen Bridge, twenty-four miles from the State House in Philadelphia, on the main thoroughfare from Philadelphia to Reading, Pennsylvania. In keeping with the convictions, both religious and political, of its founder, the Rev. Abraham Hunsicker, the School was named "Freeland Seminary." Within a period of twenty years, more than four thousand young men from Pennsylvania, New Jersey, Maryland and Delaware received their education at this School.

In 1868, a body of men, actuated by a desire to serve the interests of higher education and evangelical Christian religion, met in the city of Philadelphia and resolved to found "an institution where the youth of the land can be liberally educated under the benign influence of Christianity." Ruled by this desire, they chose as the name of their institution that of one of the most distinguished reformers and scholars of the Reformation period, *Ursinus*, of the University of Heidelberg.

The Act of Incorporation under which Ursinus College is conducted was granted by the Legislature of Pennsylvania, February 5, 1869, and is as follows:

AN ACT

TO INCORPORATE URSINUS COLLEGE

SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted by the authority of the same, that there shall be and hereby is erected, established and incorporated in Upper Providence Township, in the County of Montgomery, in this Commonwealth, an institution of learning, for the purpose of imparting instruction in Science, Literature, the Liberal Arts and Learned Professions by the name, style and title of URSINUS COLLEGE.

Ursinus College

SECTION 2. Said College shall be under the care and management of a Board of Directors not exceeding twenty-one in number, who, with their successors in office, shall be and are hereby declared to be one body politic and corporate in deed and in law, to be known by the name, style and title of Ursinus College, and by the same shall have perpetual succession, and shall be able to sue and be sued, plead and be impleaded in all courts of law and equity, and shall be capable in law and equity to take, hold and purchase for the use and benefit of said College any estate in any messuages, lands, tenements, goods, chattels, moneys and other effects of any kind whatever, by gift, grant, bargain, sale, conveyance, assurance, will, devise or bequest from any person or persons, body politic or corporate, either municipal or otherwise whatsoever capable of lawfully making the same, and the same from time to time to grant, bargain, sell, convey, mortgage, farm, let, place out at interest, or otherwise dispose of for the use and benefit of said College; *Provided, however,* That no bequest or donation made to and accepted by said Board for specific educational objects shall ever be diverted from the purposes designated in the conditions of such gift and acceptance.

SECTION 3. That the Board of Directors shall have power to establish, from time to time, in said College, such departments of study and instruction as they may deem expedient, and to provide libraries, apparatus, cabinets, endowments and all other needful aids for imparting full and thorough courses of instruction therein. They may appoint a faculty or faculties, professors, lecturers and teachers, prescribe their respective duties, fix their compensation, and remove them, or any of them, as, from time to time, the interests of the College may require; they shall have power to purchase or erect buildings for the accommodation of students, professors and officers, and for other needful purposes; to establish rules and regulations for the government of students and officers, and to do all and singular such other things and matters as may be requisite for the well ordering and proper management of the affairs of said College.

SECTION 4. That the said Board of Directors shall at first consist of the persons herein named, to wit: *James Koons, Sr., J. Knipe, W. D. Gross, H. W. Kratz, A. Kline, H. K. Harnish, Abraham Hunsicker, Sr., J. W. Sunderland, John Wiest, A. W. Myers, H. H. W. Hibshman, A. Van Haagen, J. H. A. Bomberger, J. G. Wiehle, J. Dahlman, Jr., Emanuel Longacre, George Schall, W. L. Graver, William Sorber, Nathan Pennypacker, N. Gehr*, who, or any nine of them, on the passage of this act, or at any time within three months thereafter, may meet and organize by electing a President and Secre-

tary, and accepting this act, the evidence of which shall be the duly authenticated record of such meeting and action.

SECTION 5. That the Board of Directors shall have power to fill all vacancies in their own body, to expel any member thereof who shall be guilty of infamous conduct and to declare vacant the seat of any member who shall have, for three consecutive years, failed to attend the stated meetings of the Board; to appoint, from time to time, such additional officers and agents of their own body as may be deemed requisite, including a Treasurer, who shall always give ample security for the funds entrusted to his keeping; to adopt a common and corporate seal, by and with which all deeds, certificates, appointments and acts of said Board, signed by their President and attested by their Secretary, shall pass and be authenticated, and the same seal at their pleasure to break, alter or renew.

SECTION 6. That the said Board of Directors, at any meeting subsequent to their organization called for the purpose, and of which due notice shall have been given to each member, may adopt and establish a Constitution and By-Laws for the government of their own body, not inconsistent with this act, the laws of the State or the laws of the United States, which Constitution and By-Laws shall not thereafter be altered, amended or repealed except in the manner therein provided.

SECTION 7. That the faculty of any organized department in the College may, with the advice and consent of the Board of Directors, and under such regulations as they may prescribe, confer the degrees, honors, and dignities usually conferred by similar departments in the Colleges and Universities of this Commonwealth.

SECTION 8. That no misnomer of this corporation shall defeat or annul any gift, grant, devise or bequest to or from the said corporation: *Provided*, The intent of the parties shall sufficiently appear upon the part of the gift, grant, will, or other writing whereby such state or interest was intended to pass to or from said corporation.

The corporation was organized at a meeting of the Directors held in the city of Philadelphia, February 10, 1869. A permanent seat for the College was sought near Philadelphia. Attracted by the beauty of the region of Perkiomen Bridge, where Freeland Seminary had flourished for twenty years, and impressed by the reputation of the community for its interest in education, the Board of Directors purchased the property of Freeland Seminary, and incorporated the latter into Ursinus

Ursinus College

College as its preparatory department. About this time the United States postal authorities named the post office at Perkiomen Bridge, Collegeville. Instruction was begun September 6, 1870. In 1881 the doors of the College and Academy were opened to women. The Academy was discontinued in 1910.

The Ursinus School of Theology was organized June 1, 1871, and opened for instruction the following September. The School was conducted at Collegeville in connection with the College till 1898, when it was removed to Philadelphia. March 8, 1907, a Compact of Union was ratified by the Board of Directors of Ursinus College, by which the instruction of the Ursinus School of Theology is conducted in the Central Theological Seminary, located at Dayton, Ohio.

Collegeville is easy of access by the Philadelphia and Reading Railway from Philadelphia, Allentown or Reading. Electric cars connecting Collegeville with Pottstown, Norristown and Philadelphia pass the College campus. The College grounds cover fifty-six acres, including a fine lawn and campus of ten acres, tennis courts, athletic fields, and several fields for agriculture.

NEEDS

The College has been developed in all respects as far as its present equipment and resources will permit. Its continuing growth should encourage friends of the institution to provide further for its needs. These have been embodied in detailed outline in a comprehensive Program for the Further Development of Ursinus College, adopted by the Directors on November 23, 1915. This Program, printed separately, constitutes a valuable guide to friends and benefactors who contemplate gifts to the institution or who would advise others in the interest of the College. A copy of the Program will be furnished on application to the President of the College, whose counsel should also be sought with a view to securing the most advantageous cooperation on the part of all.

GIFTS AND BEQUESTS

It is the judgment of those who have had the responsibility of disposing of large fortunes that Education furnishes the most promising field for benevolence. The great philanthropic foundations after discriminating scientific inquiry into the ways and means of doing good with accumulated wealth, have made Education their chief objective. The findings of these philanthropic agencies may be accepted for the guidance of others.

The practice of making donations during one's life rather than making bequests to be executed after death is recommended. In this way the donor has absolute assurance that his wishes are being carried out, he has the satisfaction of seeing his gift bearing fruit in the improved work of the institution, and he avoids the deflection of part of his proposed gift in the form of inheritance taxes.

In cases in which the donor needs the income of his estate in order to live, a very satisfactory arrangement is provided in Ursinus College Annuity Bonds which the College issues in exchange for cash or property. Annuity Bonds guarantee a fixed income to the donor payable semi-annually during the period of his natural life, at the end of which the bonds become null and void and the gifts which they represent continue as permanent possessions of the College.

When, however, it is decided to make a bequest care should be taken to have all testamentary papers signed, witnessed and executed in strict accordance with the statutory laws of the State in which the testator resides. In all cases the name of the corporation should be accurately given, as in the following form:

I give, devise and bequeath to URSINUS COLLEGE, located at Collegeville, Montgomery County, Pennsylvania, their successors and assigns forever, the sum of..... dollars, to be safely invested by said corporation, and the interest accruing therefrom to be applied in the maintenance of instruction in said institution.

OFFICERS OF THE CORPORATION

President

HARRY E. PAISLEY
Philadelphia

First Vice-President

EDWARD A. KRUSEN, M.D.
Norristown, Pa.

Second Vice-President

A. D. FETTEROLF
Collegeville, Pa.

Secretary

REV. S. L. MESSINGER, D.D.
Trappe, Pa.

Treasurer

J. TRUMAN EBERT
Collegeville, Pa.

THE DIRECTORS

	First Elected	Term Expires
JAMES M. ANDERS, M.D., LL.D., Philadelphia,	1894	1924
HON. ANDREW R. BRODBECK, LL.D., Hanover,	1905	1925
J. TRUMAN EBERT, Collegeville,	1907	1922
CHARLES H. EDMUNDS, Esq., Philadelphia,	1907	1922
A. D. FETTEROLF, Collegeville,	1906	1921
REV. I. CALVIN FISHER, D.D., Lebanon,	1905	1921
HERVEY C. GRESH, Norristown,	1901	1921
ABRAHAM H. HENDRICKS, Esq., B.S., Collegeville,	1914	1924
J. F. HENDRICKS, Esq., A.M., Doylestown,	1915	1925
REV. GEORGE W. HENSON, D.D., Philadelphia,	1911	1921
ALVIN HUNSICKER, B.S., New York,	1916	1921
REV. JAMES M. S. ISENBERG, D.D., Philadelphia,	1906	1923
WHORTEN A. KLINE, Litt.D., Collegeville,	1912	1922
EDWARD A. KRUSEN, M.D., Norristown,	1903	1923
MAYNE R. LONGSTRETH, Esq., A.M., Philadelphia,	1907	1922
REV. J. W. MEMINGER, D.D., Lancaster,	1896	1921
REV. S. L. MESSINGER, S.T.D., D.D., Trappe,	1906	1921
GEO. LESLIE OMWAKE, Pd.D., Collegeville,	1906	1921
HARRY E. PAISLEY, Philadelphia,	1907	1922
ELWOOD S. SNYDER, M.D., Lancaster,	1905	1925
HENRY T. SPANGLER, D.D., Collegeville,	1884	
JOSEPH M. STEELE, Philadelphia,	1913	1924
REV. PHILIP VOLLMER, Ph.D., D.D., Dayton, Ohio,	1905	1921
REV. EDWARD F. WIEST, D.D., Lebanon,	1909	1924
REV. CALVIN D. YOST, A.M., B.D., Collegeville,	1916	1925

COMMITTEES OF THE BOARD OF DIRECTORS

Executive Committee

A. D. FETTEROLF	S. L. MESSINGER.
H. E. PAISLEY	G. L. OMWAKE
H. T. SPANGLER	J. T. EBERT
A. H. HENDRICKS	

Committee on Finance

G. L. OMWAKE	H. E. PAISLEY
J. M. S. ISENBERG	J. T. EBERT

Committee on Buildings and Grounds

A. H. HENDRICKS	H. C. GRESH
A. D. FETTEROLF	J. T. EBERT
W. A. KLINE	E. A. KRUSEN
G. L. OMWAKE	

Committee on Government and Instruction

H. T. SPANGLER	S. L. MESSINGER
A. D. FETTEROLF	W. A. KLINE
G. L. OMWAKE	

THE ADVISORY COUNCIL

CYRUS H. K. CURTIS, LL.D., Philadelphia

HON. JOHN WANAMAKER, LL.D., Philadelphia

ALBA B. JOHNSON, LL.D., Philadelphia

ADMINISTRATIVE, FINANCIAL AND BUSINESS
OFFICERS

GEORGE L. OMWAKE, A.M., B.D., Pd.D., *President*

PAUL A. MERTZ, A.M., *Assistant to the President*

REV. WHORTEN A. KLINE, A.M., B.D., Litt.D., *Dean*

REV. CALVIN D. YOST, A.M., B.D., *Librarian*

SARA E. ERMOLD, *Assistant Treasurer and Office Secretary*

MRS. E. N. ERMOLD, *Principal of Olevian Hall and Superintendent of
Dormitories*

CLARA E. WALDRON, *Principal of Shreiner Hall*

MRS. C. V. TOWER, *Principal of Trinity Cottage*

AGNES R. MACCANN, *Principal of The Maples*

MRS. EMMA G. E. WEBB, *Superintendent, Domestic Department*

C. E. MCCORMICK, B.S., *Farm Manager*

JOYCE B. HAMM, *Stenographer*

FRANKLIN I. SHEEDER, JR., *Clerical Assistant*

THE FACULTY

GEORGE LESLIE OMWAKE, A.M., B.D., Pd.D.,

President, and Professor of the History and Philosophy of Education.

A.B., Ursinus College, 1898, and A.M., 1901; B.D., Yale University, 1901; Pd.D., Franklin and Marshall College, 1910; Student in Theology, Philosophy and Education, Yale University, 1898-1901; Licensed, 1901; Ursinus College, 1901; Dean, 1903-09; Vice-President, 1909-12; President, 1912. Member of the Society of College Teachers of Education.

REV. WHORTEN A. KLINE, A.M., B.D., Litt.D.,

Dean, and Professor of the Latin Language and Literature.

A.B., Ursinus College, 1893; A.M., and B.D., 1896; Litt.D., 1913; Licensed, 1896; Graduate Student in Latin, University of Pennsylvania, 1897-1901, Ursinus College, 1893; Dean, 1909; Member of the Classical Association of the Middle States and Maryland. Member of the Philadelphia Botanical Club.

REV. JAMES I. GOOD, A.M., D.D., LL.D.,

Professor of the History of the Christian Church.

A.B., Lafayette College, 1872, and A.M., 1875; D.D., Ursinus College, 1887, and LL.D., 1911; Student, Union Theological Seminary, 1872-75; Licensed, 1875; Pastor, 1875-1905; Professor of Systematic and Pastoral Theology and Reformed Church History, 1890-1907; Dean, School of Theology, 1892-1907; Ursinus College, 1907.

HOMER SMITH, Ph.D.,

Professor of the English Language and Literature.

A.B., Amherst College, 1891; Graduate Student, University of Pennsylvania, 1892-95; Ph.D. University of Pennsylvania, 1895; Instructor in English, University of Pennsylvania, 1892-98; Professor of English, Kamehameha School, Honolulu, 1899-1901; Acting Professor of English, Amherst College, 1901-03; Ursinus College, 1903. Member of the Modern Language Association.

MATTHEW BEARDWOOD, A.M., M.D., Sc.D.,

Professor of Chemistry.

A.B., Philadelphia Central High School, 1890, and A.M., 1895; M.D., Medico-Chirurgical College, 1894; Sc.D., Ursinus College, 1916; Special Student of Chemistry, University of Pennsylvania, 1890-91; Instructor in Chemistry, Medico-Chirurgical College, 1896-99; Lecturer on Clinical Chemistry, 1899-1900; Adjunct Professor of Chemistry, 1900-14; Professor of General Chemistry and Toxicology, 1914-16; Ursinus College, 1903; Member of the American Chemical Society. Member of the Franklin Institute.

Ursinus College

JOHN WENTWORTH CLAWSON, A.M., Sc.D.,

Professor of Mathematics.

A.B., University of New Brunswick, 1901; A.B., Cambridge University, 1904; A.M., University of New Brunswick, 1905; Sc.D., Ursinus College, 1920; Lecturer in Astronomy, University of New Brunswick, 1904-05; Assistant in Physics, Ohio State University, 1905-06; Ursinus College, 1907. Member, The Mathematical Association of America.

REV. GEORGE HANDY WAILES, A.M., D.D.,

Professor of the English Bible.

A.B., Princeton University, 1894, and A.M., 1896; D.D., Ursinus College, 1913; Student, Princeton Theological Seminary, 1894-97; Licensed, 1896; Pastor, Scots Presbyterian Church, Philadelphia, 1897-1908; Professor of Hebrew and Old Testament Literature, Temple University, 1906; Professor of Theology and Apologetics, 1908; Ursinus College, 1908.

CARL VERNON TOWER, Ph.D.,

Professor of Philosophy.

A.B., Brown University, 1893; and A.M., 1895; Fellow, Sage School of Philosophy, Cornell University, 1896-97; Ph.D., Cornell University, 1898; Instructor in Philosophy, University of Michigan, 1898-1900; Assistant to the President, Clark University, 1900-01; Professor of Philosophy, Knox College, 1901-02; University of Vermont, 1902-09; Assistant Professor of Philosophy, University of Michigan, 1909-10; Acting Professor of Philosophy, Trinity College, 1912-13; Ursinus College, 1913. Member, American Philosophical Association.

WILLIAM WILSON BADEN, Ph.D.,

Professor of Greek and Spanish.

Ph.D., Johns Hopkins University, 1892; Research Student, Berlin, Rome and Athens, 1896-98; Professor, University of Idaho, 1899-1907; Ursinus College, 1914.

RAYMOND BURTON MUNSON, A.M.,

Professor of History and Political Science.

Ph.B., Yale University, 1909; and A.M., 1911; Graduate Student, Yale University 1909-13; Instructor in History and Political Science, Pennsylvania State College, 1913-16; Ursinus College, 1916. Member, American Historical Association.

EZRA ALLEN, Ph.D.,

Professor of Biology.

A.B., Bucknell University, 1895; A.M., 1896; Fellow, Clark University, 1900-01; University of Chicago, 1905; Ph.D., University of Pennsylvania, 1914; Instructor in Science, Perkiomen School, 1896-1900; Professor of Biology, Montana State Normal School, 1903-06; School of Pedagogy, Philadelphia, 1907-18; Educational Adviser to First Army and Lecturer on Biology, A. E. F. University, Beaune, France, 1918-19; Ursinus College, 1919. Member, American Association of Anatomists; American Society of Zoologists. Fellow, Association for the Advancement of Science.

The Faculty

17

REV. CALVIN DANIEL YOST, A.M., B.D.,

Librarian, and Assistant Professor of German.

A.B., Ursinus College, 1891; A.M., 1895, and B.D., 1907; Student, Ursinus School of Theology, 1891-93; Yale University, 1893-94; Principal, High School, Mahanoy City, Pa., 1896-1901; Pastor, 1894-96, 1901-07; General Secretary, Reformed Evangelical and Educational Union, 1907-10; Ursinus College, 1910.

PAUL ALLEN MERTZ, A.M.,

Assistant to the President, and Assistant Professor of Education.

A.B., Ursinus College, 1910; A.M., Columbia University, 1913; Graduate student, Columbia University, 1910-13; Instructor, Groszmann School for Nervous and Backward Children, Plainfield, N. J., 1910-11; Instructor, High Schools, Plainfield, N. J., Trenton, N. J., and Philadelphia, 1911-18; First Lieutenant, U. S. Army, Psychological Examiner, 1918-19; Ursinus College, 1919. Member, Society of College Teachers of Education.

MARTIN WEAVER WITMER, A.B.,

Instructor in English Composition and Rhetoric.

A.B., Franklin and Marshall College, 1904; Graduate Student in English, University of Pennsylvania, 1913-14, 1919-21; Instructor in English, Latin and Greek, Union Seminary, New Berlin, Pa., 1904-05; Principal of Union Seminary, 1905-07; Instructor in English, Franklin and Marshall Academy, Lancaster, Pa., 1907-20; Ursinus College, 1920.

VEO FULLER SMALL, A.B.,

Instructor in French and Mathematics.

A.B., Wesleyan University, 1913; Instructor, Wilbraham Academy, Wilbraham, Mass., 1913-14; State of Maine Highway and Forestry Service, 1914-16; Principal High School, Scarborough, Maine, 1916-18; Instructor High School, Portland, Maine, 1918; Instructor, Wilbraham Academy, 1918-20; Graduate Student, University of Pennsylvania, 1920-21; Ursinus College, 1920.

GILBERT ALFRED DEITZ, A.B.,

Instructor in Chemistry.

A.B., Ursinus College, 1918; Medical Division, Research Division, Chemical Warfare Service, U. S. A., 1918; Ursinus College, 1918; Member American Chemical Society.

JOHN MYRON JOLLS,

Instructor in Voice Culture and Choral Singing.

Student under the direction of the Tonic Soh Fah College, London, 1893-96; Student in Sight Singing and Voice Culture under Frederick W. Root, 1894-95; Student under Perley Dunn Aldrich, 1899-1908; Teacher of Singing, 1894-1920; Y. M. C. A. War Service, 1918-19; Ursinus College, 1908.

CLARA E. WALDRON,

Instructor in Piano, Harmony and History of Music.

Student under Harry R. Detwiler at Kidd-Key Conservatory of Music, Sherman, Texas, 1903-06, at Bush Conservatory of Music, Chicago, 1906-07, and in Chicago, 1909-10; Effa Ellis Perfield School, Chicago, 1916; Instructor in Piano, Maywood Conservatory of Music, Oklahoma City, Okla.; Galloway College, Searcy, Ark.; College of Industrial Arts, Denton, Texas; Baylor College, Belton, Texas; Ursinus College, 1917.

*AGNES RODMAN MacCANN,

Director of Physical Training and Instructor in Public Speaking for Young Women.

Graduate, New Haven Normal School of Gymnastics, 1918; Instructor in Gymnastics, Worthington Hooker School, 1917-18; Ursinus College, 1918.

J. W. F. LEMAN,

Instructor in Violin and Director of the Orchestra.

Graduate, Leefson-Hille Conservatory of Music and of the University of Pennsylvania, 1901; Professor of Violin, Theory and Orchestral Music, Leefson-Hille Conservatory, 1901-10; Member (10 years), Philadelphia Orchestra; Director, Leman Studios, Philadelphia; Conductor, Symphony Orchestra, Steel Pier, Atlantic City, N. J., 1918-20; Ursinus College, 1920.

RALPH MITTERLING, B.S.,

Graduate Director of Athletics and Physical Training for Men.

B.S., Ursinus College, 1915; Student, Y. M. C. A. Training School, Springfield, Mass., 1916-17; U. S. Army, 1917-19; Ursinus College, 1919.

* Absent on leave for the second semester.

OFFICERS OF THE FACULTY

Chairman.....THE PRESIDENT
Secretary.....PROFESSOR SMITH

ADVISERS

Classical Group, Professor Baden
Mathematical Group, Professor Clawson
Chemical-Biological Group, Professor Allen
Historical-Political Group, Professor Munson
English-Historical Group, Professor Smith
Modern Language Group, Professor Yost

COMMITTEES

Admission and Advanced Standing

THE PRESIDENT	PROFESSOR KLINE
PROFESSOR CLAWSON	PROFESSOR TOWER

Library

THE PRESIDENT	THE LIBRARIAN
PROFESSOR SMITH	
Two Representatives of the Alumni Association	

Athletics

PROFESSOR SMITH	PROFESSOR CLAWSON
One Representative of the Board of Directors	
Three Representatives of the Alumni Athletic Club	
Two Representatives of the Student Body	

Scholarships

THE PRESIDENT	PROFESSOR KLINE
PROFESSOR YOST	

ADMISSION

A student who wishes to enter Ursinus College must bring from the school or college he has attended, or from the teacher with whom he has studied, a testimonial of good character and a certificate of preparation for the work he desires to take, in the form prescribed by the college. Blank forms for these certificates are furnished by the Dean of the College, to whom all communications on the subject and all certificates are to be addressed.

Certificates of preparation should be filed, as far as possible, prior to the opening of College. When this is impossible, due to the absence of school officials or other sufficient reasons, the applicant may be registered and enrolled for instruction *provisionally*. If the applicant fails to present the certificate within one month after the opening of College he will then be required to take the regular entrance examinations.

Students from high schools, academies and normal schools approved by the faculty, or from other colleges, and candidates who have passed the examinations of the College Entrance Examination Board of the Middle States and Maryland, are admitted on certificate. A candidate whose certificate does not cover the amount of work required in a subject may be admitted to college as a regular student with conditions as provided in the statement given on page 22.

Applicants who desire admission by examination in any subject, will present themselves for such examination at the Dean's Office in Bomberger Hall, on Monday and Tuesday of Commencement week, June 6 and 7, or on Wednesday, September 21, 1921, at the opening of the collegiate year.

Every candidate admitted to College will be examined in English composition on a day appointed soon after the opening of the term. A candidate whose preparation is found to be defective in spelling, punctuation or other essentials of good

usage will be obliged to take special work in the subject at his own expense, and his failure will be reported to the school in which he was prepared.

TERMS OF ADMISSION

The unit used in determining the value of a study presented in satisfaction of the requirements for admission represents, in general, *a year's study in the subject in a secondary school, constituting approximately a quarter of a full year's work*. The time element involved in the evaluation of college preparatory work should be given due consideration by teachers and pupils in secondary schools.

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

Applicants for admission intending to present themselves as candidates for the degree of Bachelor of Arts at graduation must present 14.5 units from the following list. The studies printed in capitals are prescribed:

ENGLISH	3	units
LATIN	3	units
OTHER FOREIGN LANGUAGE.....	2	units
HISTORY	1	unit
ALGEBRA	1.5	units
PLANE GEOMETRY	1	unit
Additional Latin	1	unit
History, Ancient	1	unit
History, English	1	unit
History, American	1	unit
Advanced Algebra .....	.5	unit
Solid Geometry .....	.5	unit
Plane Trigonometry .....	.5	unit
Physical Geography .....	.5	unit
Zoölogy .....	.5	unit
Botany .....	.5	unit
Physiology .....	.5	unit
Physics	1	unit
Chemistry	1	unit

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE

Applicants for admission intending to present themselves as candidates for the degree of Bachelor of Science at graduation must present 14.5 units from the following list. The studies printed in capitals are prescribed:

ENGLISH	3	units
FOREIGN LANGUAGE	3	units
HISTORY	1	unit
ALGEBRA	1.5	units
PLANE GEOMETRY	1	unit
PHYSICS or CHEMISTRY	1	unit
ADDITIONAL SCIENCE or MATHEMATICS.....	1	unit
History, Ancient	1	unit
History, English	1	unit
History, American	1	unit
Advanced Algebra .....	.5	unit
Solid Geometry .....	.5	unit
Plane Trigonometry .....	.5	unit
Physical Geography .....	.5	unit
Zoölogy .....	.5	unit
Botany .....	.5	unit
Physiology .....	.5	unit
Mechanical Drawing	1	unit

A candidate offering less than 14.5 units may be admitted with conditions to the extent of 2.5 units, but not more than one of these may be in any one subject.

Applicants for admission may be received as *Special Students* provided they present 10 units of preparatory work. These units must be so distributed as to constitute the usual preparation for the college courses which the applicant desires to pursue.

When admitted, special students are enrolled as members of the groups they may choose to enter and are under the direction of the regular advisers. Special students must register for at least fifteen semester hours of work, and are held account-

able for the satisfactory completion of courses for which they register. They are subject to the same regulations as other students.

ADMISSION STUDIES

The studies which may be presented in satisfaction of the requirements for admission are set forth below. A candidate must present, either by examination or by certificate, satisfactory evidence of preparation in such of these studies as he may offer in accordance with the requirements in each as defined:

ENGLISH

The Uniform Entrance Requirements in English include preparation based upon two lists of books,—one of the books for reading and one of the books for special study. In connection with the reading and study of prescribed books, the candidate should read other books and commit to memory a considerable amount of good English poetry. The reading should be done with a view to the development of literary appreciation, accuracy of expression and elegance of style.

(A) READING.—The candidate will be required to write a paragraph or two on each of several topics chosen by him from the list drawn from the books named below. This part of the examination is designed, primarily, to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the books prescribed. He should read the books as he reads other books not aiming to know them minutely, but to gain a knowledge of their most important parts. In every case knowledge of the book will be regarded as less important than the ability to write good English.

Every applicant will be examined in English Composition. No candidate will be accepted whose work is seriously defective in spelling, punctuation, grammar, or division into paragraphs.

The books provided for Reading for 1921-1922 are arranged in the following groups, from which at least ten units are to be selected, two from each group. Each unit is set off by semicolons.

Group I.—Classics in Translation. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; the Iliad, with the omission,

if desired, of Books XI, XIII, XIV, XV, XVII, XXI; the *Æneid*. The *Odyssey*, *Iliad*, and *Æneid* should be read in English translations of recognized literary excellence.

For any selection from this group a selection from any other group may be substituted.

Group II.—Shakespeare: *Midsummer Night's Dream*, *Merchant of Venice*, *As You Like It*, *Twelfth Night*, *The Tempest*, *Romeo and Juliet*, *King John*, *Richard II*, *Richard III*, *Henry V*, *Coriolanus*, *Julius Cæsar*, *Macbeth*, *Hamlet*. No one of the last three should be selected if chosen for study under B.

Group III.—Prose Fiction. Malory: *Morte d'Arthur* (about 100 pages); Bunyan: *Pilgrim's Progress*, Part I; Swift: *Gulliver's Travels* (voyages to Lilliput and to Brobdingnag); Defoe: *Robinson Crusoe*, Part I; Goldsmith: *Vicar of Wakefield*; Frances Burney: *Evelina*; Scott: any one of the novels; Jane Austen: any one of the novels; Maria Edgeworth: *Castle Rackrent* or *The Absentee*; Dickens: any one of the novels; Thackeray: any one of the novels; George Eliot: any one of the novels; Mrs. Gaskell: *Cranford*; Kingsley: *Westward Ho* or *Hereward, the Wake*; Reade: *The Cloister and the Hearth*; Blackmore: *Lorna Doone*; Hughes: *Tom Brown's Schooldays*; Stevenson: *Treasure Island* or *Kidnapped* or *Master of Ballantrae*; Cooper: any one of the novels; Poe: *Selected Tales*; Hawthorne: *The House of the Seven Gables* or *Twice Told Tales* or *Mosses from an Old Manse*; a collection of short stories by various standard writers.

Group IV.—Essays, Biography, etc. Addison and Steele: *The Sir Roger de Coverley Papers* or selections from the *Tatler* and *Spectator* (about 200 pages); Boswell: selections from the *Life of Johnson* (about 200 pages); Franklin: *Autobiography*; Irving: selections from the *Sketch Book* (about 200 pages) or *Life of Goldsmith*; Southey: *Life of Nelson*; Lamb: selections from the *Essays of Elia* (about 100 pages); Lockhart: selections from the *Life of Scott* (about 200 pages); Thackeray: lectures on Swift, Addison, and Steele in the *English Humourists*; Macaulay: one of the following essays: *Lord Clive*, *Warren Hastings*, *Milton*, *Addison*, *Goldsmith*, *Frederic the Great*, *Madame D'Arblay*; Trevelyan: selections from the *Life of Macaulay* (about 200 pages); Ruskin: *Sesame and Lilies* or selections (about 150 pages); Dana: *Two Years before the Mast*; Lincoln: selections, including at least the two *Inaugurals*, the speeches in *Independence Hall* and at *Gettysburg*, the *Last Public Address*, the *Letter to Horace Greeley*, together with a brief memoir or estimate of Lincoln; Parkman: *The Oregon Trail*; Thoreau: *Walden*; Lowell: selected essays (about 150 pages); Holmes: *The Autocrat of the*

Breakfast Table; Stevenson: *An Inland Voyage and Travels with a Donkey*; Huxley: *Autobiography and selections from Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education* and *A Piece of Chalk*; a collection of essays by Bacon, Lamb, DeQuincey, Hazlitt, Emerson, and later writers; a collection of letters by various standard writers.

Group V.—Poetry. Palgrave's *Golden Treasury* (First Series): Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave's *Golden Treasury* (First Series): Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen for study under B); Goldsmith: *The Traveller* and *The Deserted Village*; Pope: *The Rape of the Lock*; a collection of English and Scottish ballads, as, for example, some Robin Hood ballads, *The Battle of Otterburn*, *King Estmere*, *Young Beichan*, *Bewick and Grahame*, *Sir Patrick Spens*, and a selection from later ballads; Coleridge: *The Ancient Mariner*, *Christabel*, and *Kubla Khan*; Byron: *Childe Harold*, Canto III or IV and *The Prisoner of Chillon*; Scott: *The Lady of the Lake* or *Marmion*; Macaulay: *The Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, *Ivry*; Tennyson: *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning: *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, "*De Gustibus—*," *Instans Tyrannus*; Arnold: *Sohrab and Rustum*, and *The Forsaken Merman*; Selections from *American Poetry*, with special attention to Poe, Lowell, Longfellow, and Whittier.

(B) STUDY.—In addition an examination will be required upon the subject matter, literary form and logical structure of each of the works named below. A careful and critical study of the works will be necessary to prepare the candidate for the examination. The student may be required to answer questions on the leading facts of the literary periods to which the works belong and on the essentials of grammatical structure.

The books prescribed for this part of the examination are as follows:

For 1921-1922 the books provided for Study are arranged in four groups, from each of which one selection is to be made.

GROUP 1. DRAMA.—Shakespeare's *Julius Cæsar*, *Macbeth*, *Hamlet*.

GROUP 2. POETRY.—Milton's *L'Allegro*, *Il Penseroso*, and either *Comus* or *Lycidas*; Tennyson's *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur*; the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's *Golden Treasury* (First Series).

GROUP 3. ORATORY.—Burke's *Speech on Conciliation with America*; Macaulay's *Two Speeches on Copyright*, and Lincoln's *Speech at Cooper Union*; Washington's *Farewell Address*, and Webster's *First Bunker Hill Oration*.

GROUP 4. ESSAYS.—Carlyle's *Essay on Burns*, with a selection from Burns's *Poems*; Macaulay's *Life of Johnson*; Emerson's *Essay on Manners*. *Three units*.

LATIN

The Latin reading required for admission of candidates for the degree of Bachelor of Arts, without regard to the prescription of particular authors and works, is not less *in amount* than Cæsar: *Gallic War*, I-IV; Cicero: the orations against Catiline, for the *Manilian Law*, and for *Archias*. Whenever possible Vergil's *Æneid*, I-VI, should be included in the student's preparation.

The amount of reading specified above should be selected by the schools from the following authors and works: Cæsar: *Gallic War* and *Civil War*; and Nepos: *Lives*; Cicero: orations, letters, and *De Senectute*; and Sallust: *Catiline* and *Jugurthine War*; Vergil: *Bucolics*, *Georgics*, and *Æneid*; and Ovid: *Metamorphoses*, *Fasti*, and *Tristia*. *Three or four units*.

GREEK

The candidate must show a mastery of the common forms, idioms and syntax of the language, and must know the rules of accent and their changes. He will be required to translate simple English sentences into Attic Prose, and translate, at sight, passages of ordinary difficulty taken from Xenophon. The following books will meet the requirement: White: *First Greek Book*, or an equivalent; Xenophon: *Anabasis*, books I-IV. *Two units*.

FRENCH

Elementary French. The candidate should be able to pronounce French accurately and possess a thorough knowledge of the rudiments of grammar, including the inflection of the more common irregular verbs and the elementary rules of syntax. He should be able to read at sight easy dialogue and modern French prose, and is required

to put into French simple English sentences; to give abstracts of the portions of the texts already read; and to write French from dictation. He should have read from one hundred to one hundred and seventy-five pages of graduated French texts and from two hundred and fifty to four hundred pages of easy modern prose in the form of stories, plays, or historical or biographical sketches. To meet this requirement two years' work will generally be necessary. *Two units.*

Intermediate French. This should comprise the reading of four hundred to six hundred pages of French of ordinary difficulty, including at least two works of a dramatic character, the constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read, the study of a grammar of moderate difficulty, and the writing from dictation. At least one additional year of study will be necessary to meet this requirement. *One unit.*

SPANISH

Elementary Spanish. The work should comprise constant drill in pronunciation, the rudiments of grammar, including the conjugation of the regular and more commonly used irregular verbs, the inflection of nouns, adjectives, and pronouns, and the general rules of syntax. There should be daily practice in translating at dictation Spanish into English and English into Spanish. Some 300 pages from representative modern authors should be carefully read. *Two units.*

Intermediate Spanish. This should comprise the reading of three hundred pages of modern Spanish of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving Spanish paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation. *One unit.*

GERMAN

Elementary German. The candidate must possess an accurate knowledge of the rudiments of grammar. He should give special attention to the acquisition of a good pronunciation and to the memorizing and frequent repetition of easy colloquial sentences, and cultivate readiness in the reproduction of natural forms of expression. He is expected to have read from seventy-five to one hundred pages of graduated texts from a reader, and from one hundred and fifty to two hundred pages of literature in the form of easy stories and plays. He must be able to read, at sight, easy dialogue or narrative prose; to put into German short English sentences taken from the

language of everyday life and based upon the text offered for translation; and to reproduce in an offhand way, both orally and in writing, the substance of short and easy selected passages. *Two units.*

Intermediate German. An additional unit representing a third year's work, and comprising the reading of at least three hundred pages of moderately difficult prose and poetry, may be offered. Continued attention should be given to the grammar, including the less usual strong verbs and the syntax. Suitable reading for the third year may be found in such texts as Wildenbruch: *Das edle Blut*; Eichendorf: *Aus dem Leben eines Taugenichts*; Riehl: *Das Spielmannskind, Der stumme Ratsherr*; Freytag: *Die Journalisten*; Moser: *Der Bibliothekar*; Schiller: *Das Lied von der Glocke, Balladen*; Goethe: *Hermann und Dorothea*. *One unit.*

HISTORY

The candidate's preparation in any of the following fields of History must include the general outlines of study as stated below. Geographical knowledge of the countries involved is extremely important. The examination will include:

Ancient History, as contained in West's *Ancient World*, or Myers's *Ancient History* (Revised Edition), in connection with Seignobos's *Ancient Civilization*. The applicant will be expected to be prepared to write on a topic selected from one of the following supplementary readings: Botsford's *Athenian Constitution*, Coulanges's *Ancient City*, and Ward-Fowler's *City-State of the Greeks and Romans*. *One unit.*

English History as treated in Andrews's or Larned's *History of England*, or Walker's *Essentials of English History*. The applicant will be expected to know the chief factors of Anglo-Saxon civilization which influenced American institutions. *One unit.*

American History, as contained in McLaughlin's *The American Nation*, Adams and Trent's *History of the United States*, or Ashley's *American History*. The applicant must show thorough acquaintance with the main facts of the political, social and economic development of the United States as a nation. Civil government may be offered as part of this requirement. *One unit.*

MATHEMATICS

Arithmetic, with the metric system of weights and measures, as much as is contained in Wentworth's *Advanced Arithmetic*. Elementary Algebra, including Variation and the Binomial Theorem,

as in Wells's Essentials of Algebra, or its equivalent. Plane Geometry, complete as in Phillips and Fisher's Plane Geometry, or its equivalent. *Two and one-half units.*

Solid Geometry, as contained in Phillips and Fisher's Geometry of Space, or its equivalent. *One-half unit.*

Algebra continued, to include The Progressions, Choice and Chance, Partial and Continued Fractions, Graphical Representation, Complex Numbers and Logarithms, as contained in Hawkes's Advanced Algebra, or its equivalent. *One-half unit.*

Plane Trigonometry, as in Ashton and Marsh's Plane and Spherical Trigonometry, Chapters I-IV and VI, or its equivalent. *One-half unit.*

SCIENCE

Physical Geography. The equivalent of Gilbert and Brigham's Physical Geography. *One-half unit.*

Zoölogy. Textwork equal in amount to that contained in Davenport's Introduction to Zoölogy; laboratory work, the study of at least ten common types of animal life. *One-half unit.*

Botany. Textwork equal in amount to that contained in Coulter's Plant Relations, or its equivalent. Laboratory work on the structure and life history of at least ten plants, and the ability to identify ordinary seed plants. *One-half unit.*

Physiology. Textwork equal in amount to that contained in Huxley's Physiology. *One-half unit.*

Physics. Textwork equal to that contained in Carhart and Chute's First Principles of Physics. At least forty laboratory experiments. *One unit.*

Chemistry. Textwork equal in amount to that contained in Remsen's Introduction to Chemistry. At least forty laboratory experiments. *One unit.*

ADMISSION TO ADVANCED STANDING

A student may be admitted to advanced standing at the beginning of any semester, not later than the first semester of the Fourth year; either

1. BY EXAMINATION, in all the studies required for admission and in the studies which have been pursued by the class he may wish to enter, provided the candidate attains a grade not lower than B in such examination; or

2. FROM A PENNSYLVANIA STATE NORMAL SCHOOL, provided that prior to entering the normal school he had completed a regular four-year high school course and devoted not less than two full years to the completion of the normal school course, or having lacked a four-year high school course, he pursued the regular normal school course of four years. Such candidates will be given sufficient credit to enable them to complete the requirements for graduation from college in three years.

3. FROM ANOTHER COLLEGE, provisionally, to the standing which he held in the college he last attended, upon written evidence of his standing and of the work done. This must be accompanied in every case by a letter of honorable dismissal.

GOVERNMENT

Students whose application for admission to college has been approved by the Faculty, become members of the institution by matriculating at the Dean's office. Students who have not fully matriculated, but have been admitted to classes provisionally, pending the determination of their standing, are not permitted to represent the college in any public performance or in any intercollegiate contest.

REGISTRATION

All students must register at the opening of the college year for the work of the whole year, and will not be allowed to change their registration or drop courses of study, later than one week after Registration Day except by special permission of the Faculty. A fee of One Dollar is charged for registration on days other than those appointed for the registration of students in the college calendar.

ABSENCES

A student who is absent from more than one-eighth of the exercises in any course during a semester is required to take an extended examination for which a fee of Three Dollars is charged. Absences within the one-eighth limit do not affect a student's status in class. Absences are counted from the first class exercises in any subject, and at the beginning or end of a semester and immediately preceding and following a recess they count double. No excuses for absence from class exercises are granted.

ADVISERS

At the beginning of the year the Faculty appoints from its own number Advisers for the students in each of the six Groups in which the courses of instruction are offered. The

students of each Group are amenable to the Adviser of the Group in all matters of conduct, study and discipline. His approval is necessary before a student may register for or enter upon any course of study, or discontinue any work. He is the medium of communication between the Faculty and the students of his Group, and in a general way stands to his students in the relation of friendly counsellor.

PUBLIC WORSHIP

Students are required to attend religious services in the college chapel each day of recitations, and are expected to attend services on Sunday morning in some adjacent church of their own or their parents' choice. Attendance is also required at all special public exercises appointed by the Faculty.

When a student shall have been absent from chapel services more than one-eighth of the number of times such services are held during a semester, without having been excused, such absences will be counted as demerits and the student will be subject to discipline.

COLLEGE PRINCIPLES

The College is committed both in principle and by tradition to a policy which opposes unnatural distinctions among its students. Secret or exclusive organizations are not permitted. Equal opportunity for all is provided and a wholesome spirit of fraternity throughout the entire body is encouraged. A system of student government for young men, with powers inhering in the several groups and classes and in a central representative body known as the Council, encourages self-control and practice in civil affairs. The life of the young women also is regulated through a system of self-government approved by the Faculty and administered by the women students of the College. Since the institution is organized on the group basis, class rivalry

and its attendant evils are extraneous. *Each student pledges himself on admission to abstain from every form of rushing or hazing.* The aim of the institution is to train its students, through the performance of their social and civil obligations and duties, in those virtues which will fit them for the extraordinary responsibilities of educated men and women in after life.

DOMESTIC LIFE

The College aims to provide thoroughly healthful, wholesome and homelike conditions in the residences for both young men and young women. The boarding department is made an educational asset in the institution. All resident students take their meals in a large, cheery dining room constructed on artistic and thoroughly sanitary lines. The meals are prepared in a spacious, well-lighted, sanitary kitchen with complete modern equipment.

By controlling the conditions under which the students live, the College provides a physical basis for its higher functions that insures not only health of body and joy of life, but greatly promotes mental efficiency and success in intellectual pursuits.

COURSES OF INSTRUCTION

In designating courses of study, *odd* numerals are employed to represent the work of the first semester, and *even* numerals the work of the second semester. When a single numeral is employed the work represented constitutes a semester course. When two numerals are employed the work represented constitutes a year course. When the numerals are connected with a hyphen the course may be entered only at the opening of the year. When the numerals are separated with a comma, the course may not be discontinued, but may be entered at mid-year for the work of the second semester.

The credit value of each course, expressed in semester hours, is printed in italics. The hours per week are given in the definition of the course.

BIOLOGY

PROFESSOR ALLEN

1. GENERAL ZOÖLOGY. Introduction to the leading problems of zoölogy, its various fields, and its applications to society. Two hours lectures and two hours laboratory work. *Three semester hours.*

Two year premedical students pursuing course 1 will be assigned two additional laboratory hours, and will be credited with one additional semester hour.

2. SANITATION AND HYGIENE. The problems of personal and public hygiene and methods of solution. Lectures, papers, and discussions. Three hours per week. *Three semester hours.*

Course 2 is prescribed for all First year students.

3. VERTEBRATE ANATOMY. The comparative anatomy and relationships of the chordate group below the mammals. Prerequisite, course 1. One hour lecture and six hours laboratory work. *Four semester hours.*

4. ANATOMY OF THE CAT. A course designed for prospective medical students and for teachers. Prerequisite, course 1. One hour lecture and six hours laboratory work. *Four semester hours.*

5. HISTOLOGY AND MICROSCOPICAL TECHNIQUE. A course in the preparation and study of tissues. Prerequisite, course 1. One hour lecture and six hours laboratory work. *Four semester hours.*

Course 5 alternates with course 3. Not offered in 1921-22.

6. VERTEBRATE EMBRYOLOGY. While the embryo of the chick forms the basis of work, some time is given to the most important features

of mammalian development. Prerequisite, course 1. One hour lecture and six hours laboratory work. *Four semester hours.*

Course 6 alternates with course 4. Not offered in 1921-22.

7. NEUROLOGY. The gross and microscopic structure of the human nervous system. Prerequisites, courses 3 and 5. Five hours laboratory work and directed readings. *Two semester hours.*

Course 7 is offered in alternate years. Offered in 1921-22.

8. HEREDITY. Designed to familiarize the student with the recent work in heredity and its social applications. Open to students who have had no biological training. Lectures, papers and discussions. Two hours per week. *Two semester hours.*

Course 8 is offered in alternate years. Not offered in 1921-22.

9. GENERAL BOTANY. Introduction to plant physiology and to the evolution of the plant body. Two hours lectures and two hours laboratory work. *Three semester hours.*

10. PLANT HISTOLOGY AND EMBRYOLOGY. The tissues of the higher plant forms and the early development stages of the spermatophytes are prepared and studied. Prerequisite, course 9. Five hours laboratory work and directed readings. *Two semester hours.*

Course 10 is offered in alternate years. Offered in 1921-22.

12. INVERTEBRATE ZOÖLOGY. The structure, life histories, and relationships of the leading invertebrate phyla. Prerequisite, course 1. Five hours laboratory work and directed readings. *Two semester hours.*

Course 12 is offered in alternate years. Not offered in 1921-22.

NOTE.—A working knowledge of the leading contributions of biology to present-day thought is presented in courses 1 and 8. Students of the Chemical Biological Group taking their major work in biology must complete not less than fifteen semester hours of work in the department. In most cases, this requirement will be met by taking courses 1, 3, 6, 8, 9 and 12. Such students will also be expected to take Chemistry 1-2 and 7-8 and Geology 1. Prospective medical students taking the full college course should take courses 1, 3, 4, 5 and 6.

CHEMISTRY

PROFESSOR BEARDWOOD, MR. DEITZ

1-2. GENERAL CHEMISTRY. The facts, theories and laws of general chemistry presented in lectures with oral and written recitations kept strictly parallel with the laboratory work. Each student performs over two hundred experiments in general chemistry after which he learns the methods of qualitative analysis and is required to separate

and identify elements in all the groups. He preserves a record of all laboratory work in a note book properly paged and indexed. Two hours lectures and four hours laboratory work. *Eight semester hours.*

3-4. QUALITATIVE ANALYSIS. The physico-chemical basis of analytical chemistry; analysis of metals and non metals; practice in analysis of minerals, alloys and commercial products. Prerequisite, courses 1, 2. Stienglitz: Qualitative Chemical Analysis; Crosby: Determinative Mineralogy. Two hours lectures and four hours laboratory work. *Eight semester hours.*

Students contemplating graduate work in chemistry will be assigned four hours additional of laboratory work in course 3-4, and will be credited with four additional semester hours.

5-6. QUANTITATIVE ANALYSIS. A study of the most acceptable methods of gravimetric and volumetric analysis. Newth: Manual of Analytical Chemistry; Talbot: Quantitative Chemical Analysis; Fresenius: Quantitative Analysis. One hour lecture and four hours laboratory work. *Six semester hours.*

Course 3-4 alternates with course 5-6. Course 3-4 will be given in 1921-22.

7-8. ORGANIC CHEMISTRY AND CHEMICAL PHYSIOLOGY. (1) The study of the properties, synthesis and structure of the most important classes of the carbon compounds experimentally by the student under the supervision of the instructor. Remsen: Organic Chemistry; Von Richter: Organic Chemistry. (2) The study of the chemic composition of the body and the chemic changes it undergoes; the chemistry of foods, the action of the digestive enzymes upon them; the chemistry of the different body fluids. Halliburton: Chemical Physiology. Two hours lectures and four hours laboratory work. *Eight semester hours.*

CHURCH HISTORY

PROFESSOR GOOD

2. HISTORY OF THE EARLY CHURCH. The spread of the gospel; Roman persecutions; government and discipline of the Church; Christian life and worship; literature and doctrine. Two hours per week. *Two semester hours.*

4. HISTORY OF THE REFORMATION. The rise and progress of Protestantism; the Reformation in Germany, Switzerland, France and Scotland; development of Christian doctrine. Two hours per week. *Two semester hours.*

Courses 2 and 4 are given in alternate years. Course 4 will be given in 1921-22.

6. HISTORY OF CHRISTIAN MISSIONS. An account of early missionary efforts; lives of great missionaries; organization of missionary societies; survey of the mission fields. Two hours per week. *Two semester hours.*

EDUCATION

PROFESSOR OMWAKE, ASSISTANT PROFESSOR MERTZ

1. HISTORY OF EARLY EDUCATION. The development of educational ideas, institutions and practices from earliest times to the beginning of the eighteenth century, providing a liberal outlook on civilization. Two hours per week. *Two semester hours.*

3. HISTORY OF MODERN EDUCATION. The educational reformers; the origin and growth of national systems; the scientific movement of the nineteenth century—its effect on subject matter and method; present tendencies. Two hours per week. *Two semester hours.*

Courses 1 and 3 are given in alternate years. Course 3 will be given in 1921-22.

5. PRINCIPLES OF SECONDARY EDUCATION. The secondary school in America and in foreign countries; individual, social and economical (vocational) aims; nature and interests of adolescents; subjects of the curriculum; program making. Three hours per week. *Three semester hours.*

7. METHODS AND MANAGEMENT. General methods of instruction and recitation; organization; administration; duties and responsibilities of school officers; guidance and discipline of pupils; school records. Class exercises are supplemented with school visitation. Three hours per week. *Three semester hours.*

Courses 5 and 7 are given in alternate years. Course 5 will be offered in 1921-22.

8. OBSERVATION AND PRACTICE TEACHING. Observation one hour per week and practice teaching two hours per week under supervision in the local high school. One class hour per week for consideration of lesson plans and criticism. Prerequisite, course 9. *Three semester hours.*

Course 8 is open to Fourth year students only.

10. THE MEASUREMENT OF INTELLIGENCE. Definition of intelligence; forward and backward minds; causes of retardation, history of the effort to measure intelligence; methods of measurement; mental tests now in use; technique and practice. Prerequisite, psychology 3. Three hours per week. *Three semester hours.*

COURSES IN EDUCATIONAL PSYCHOLOGY. See Psychology, courses 3 and 4.

COURSES IN THE TEACHING OF SPECIAL SUBJECTS. For courses in the teaching of Latin, French, German, History, Mathematics and Music, see under these departments.

REQUIREMENTS FOR STATE CERTIFICATES TO TEACH. In Pennsylvania: At least two hundred class-room hours in pedagogical subjects, and at least two years' work in college in each subject to be covered by the certificate. In New Jersey: The work represented in courses 3, 5, 7 above, Psychology 3 and 4 and Biology 2.

ENGLISH

PROFESSOR SMITH, MR. WITMER

COMPOSITION

1, 2. RHETORIC AND ENGLISH COMPOSITION. Lectures on the theory of Rhetoric, recitations based on a prescribed textbook, and frequent written exercises. One hour per week. *Two semester hours.*

Course 1, 2 is prescribed in all the groups.

3, 4. ENGLISH COMPOSITION. Frequent themes and individual conferences, with recitations based on a prescribed textbook. This course is designed to supplement course 1, 2 in the elements of Composition and Rhetoric. One hour per week. *Two semester hours.*

Course 3, 4 is prescribed for all students that fall below a given grade in course 1, 2.

5, 6. ADVANCED ENGLISH COMPOSITION. Frequent themes, consisting of essays, editorials, short stories and argumentative articles. The aim of the course is to develop skill in technique, soundness of thought and individuality of style. One hour per week. *Two semester hours.*

Course 5, 6 is prescribed in the English-Historical Group for students who do not take course 3, 4, and is elective in all other groups.

8. THE ORATION. Studies in the theory and style of the oration. Famous American orations are read critically. Each student must write at least two original orations. Denney, American Public Addresses. Three hours per week. *Three semester hours.*

Course 8 is elective for Third year and Fourth year students in all the groups.

9, 10. ESSAYS AND DISSERTATIONS. Six themes, argumentative or expository, requiring careful study of authorities. One hour a week throughout the year. *Two semester hours.*

Course 9, 10 is elective in all the groups.

LITERATURE

1, 2. HISTORY OF ENGLISH LITERATURE. Detailed study of great writers. Lectures on the historical development of literary species. Century Readings in English Literature. Two hours per week. *Four semester hours.*

Course 1, 2 is prescribed in all the groups.

3, 4. HISTORY OF ENGLISH LITERATURE. Study of masterpieces and discussions in class. Lectures on Literary Criticism. Gummere: Handbook of Poetics. Two hours per week. *Four semester hours.*

Course 3, 4 is a continuation of course 1, 2. It is prescribed in the English-Historical Group and is elective in the other groups.

5. THE ENGLISH DRAMA. An investigation of the origin and early development of the English Drama culminating in Marlowe and Shakespeare. Three hours per week. *Three semester hours.*

6. MODERN ESSAYISTS. The essay form discussed with special attention to its modern development. The authors chiefly studied are Lamb, Macaulay and Stevenson. Three hours per week. *Three semester hours.*

7. MODERN POETRY. Lectures and critical readings to illustrate the main tendencies of modern poetry. The poets chiefly studied are Tennyson, Browning and Matthew Arnold. Three hours per week. *Three semester hours.*

8. EIGHTEENTH CENTURY ESSAYISTS. The aim of this course is to trace the early development of the essay form, and to interpret the history of the period by its literature. Three hours per week. *Three semester hours.*

Courses 7 and 8 alternate with courses 5 and 6. Not offered in 1921-22.

9-10. ELEMENTS OF LITERARY CRITICISM. The essential elements of literature, its chief forms, and the different methods and principles of criticism discussed. There will be constant illustration and application of these principles throughout the course. Winchester: Principles of Literary Criticism. Two hours per week. *Four semester hours.*

11-12. ANGLO-SAXON. Smith: Old English Grammar; Bright: Anglo-Saxon Reader. Three hours per week. *Six semester hours.*

Course 11-12 is prescribed in the English-Historical Group, and is elective in all other groups.

Courses 5, 6, 7, 8 and 9-10 are elective in all the groups.

Ursinus College

THE ENGLISH BIBLE

PROFESSOR WAILES

1, 2. OLD TESTAMENT HISTORY AND THE PROPHETS. (1) A study of the period from the creation to the division of the Kingdom under Rehoboam, with emphasis on the divine purpose running through the history of Israel; facts and problems considered in the light of modern exploration and discovery. (2) An attempt to acquaint the student with the personality and method of each of the prophets; their times and circumstances; their doctrines; value of their messages for the present age. Two hours per week. *Four semester hours.*

Course 1, 2 is prescribed for First year students in all the groups.

3, 4. THE LIFE OF CHRIST AND THE LIFE OF PAUL. (1) A series of topical studies presenting a sympathetic interpretation of the personality and ministry of Christ, giving special emphasis to the inspirational and permanent value of his gospel. (2) The personality and ministry of the Great Apostle; an analysis of the epistles, book by book, with a view to acquainting the student with the purpose and message of each. The other apostles and their writings are studies as time permits. Two hours per week. *Four semester hours.*

Course 3, 4 is prescribed for Third year students in all the groups.

EXPRESSION AND PHYSICAL EDUCATION

MISS MACCANN

1, 2. TECHNIQUE OF VOICE AND SPEECH. Study of the vocal mechanism and analysis of speech sounds; classwork and individual training; interpretation of various forms of literature and extempore speaking. Two hours per week. *Four semester hours.*

Course 1, 2 is elective for young women of the Third year in all the groups.

3, 4. PRACTICE IN PUBLIC SPEAKING. Analysis and interpretation of classical and modern drama. Course 1 is a prerequisite. Two hours per week. *Four semester hours.*

Course 3, 4 is elective for young women of the Fourth year in all the groups.

5, 6. PHYSICAL EDUCATION. Outdoor sports and indoor gymnasium work arranged to meet the needs of students; folk and aesthetic dancing from November to April in addition to regular gymnastic work. Each student is given a careful examination at the beginning of the college year and at the close of the required work.

Course 5, 6 is prescribed for all young women students, but is not one for which academic credit may be claimed.

FRENCH

MR. SMALL

1, 2. **ELEMENTARY FRENCH.** This course is intended for those who begin French in college. The essential forms and general rules of syntax; drill in pronunciation; practice in speaking and writing French. Fraser and Squair: Shorter French Course; Aldrich and Foster: Elementary French Reader; Monvert: La Belle France; Labiche: Le Voyage de M. Perrichon. Three hours per week. *Six semester hours.*

3, 4. **INTERMEDIATE FRENCH.** Prose composition and careful drill in the French syntax; much attention to idioms and synonyms; a study of France as a country; lectures on the history, literature and industrial life of the French people. Contemporary authors are read: Augier, de la Brète, Maupassant, Daudet, Erckmann-Chatrian, or others. Collateral reading is assigned for analysis and examination. Prerequisite, course 1, 2 or two years of French at entrance. Three hours per week. *Six semester hours.*

5, 6. **MODERN FRENCH DRAMA.** Selected plays of Beaumarchais, Hugo, Rostand, Maeterlinck, Labiche, Bornier and others carefully read and analysed; rapid readings in earlier authors to study the evolution of the modern drama. Attention is fixed upon the different manners in which they reflect contemporary life. Two hours per week. *Four semester hours.*

7, 8. **ADVANCED PROSE COMPOSITION.** The object of this course is to give increased facility in the writing and speaking of the French language, by means of intensive study of chosen models and translation and paraphrase of English into French. Much free composition is also required. Two hours per week. *Four semester hours.*

9, 10. **THE ROMANTIC AND NATURALISTIC MOVEMENTS.** Montesquieu, Rousseau, Bertrand, Chateaubriand, Hugo, Musset, and others. Abundance of sight reading. Theses based on collateral readings. Prerequisite, courses 3, 4 and 5, 6. Two hours per week. *Four semester hours.*

11, 12. **THE CLASSIC FRENCH DRAMA.** Corneille, Racine, Molière. Masterpieces are read and discussed. Students will read for examination and analysis other plays of these and related authors. Two hours per week. *Four semester hours.*

Courses 9, 10 and 11, 12 are given in alternate years. Course 9, 10 will be given in 1921-22.

13, 14. TEACHERS' COURSE. The study of grammar, composition, the phonetics of French pronunciation, methods of teaching, sources of materials, and the great movements in French literature. One hour per week. *Two semester hours.*

Course 13, 14 is elective for seniors who have had course 7, 8, or the equivalent.

GEOLOGY

PROFESSOR ALLEN

1. INTRODUCTION TO GEOLOGY. An interpretation of the topography of the Eastern United States with special reference to the rock formations of the Philadelphia district; historical geology. Lectures, field work, papers and discussions. Two hours per week. *Two semester hours.*

This course is given in alternate years. Offered in 1921-22.

GERMAN

ASSISTANT PROFESSOR YOST

1, 2. ELEMENTARY GERMAN. Pronunciation, grammar, practice in speaking and writing. Vos: Essentials of German; Briggs: In Amerika; Bierwirth and Herrick: Ährenlese; Heyse: L'Arrabbiata. Three hours per week. *Six semester hours.*

Course 1, 2 is elective for all students who do not offer German for admission.

3, 4. INTERMEDIATE GERMAN. Review of grammar with oral and written exercises. Conversation and written composition. Reading of classical and modern German literature. Thomas: Practical German Grammar; Eichendorff: Aus dem Leben eines Taugenichts; Vilmar and Richter: German Epic Tales; Schiller: Maria Stuart; reading at sight. Three hours per week. *Six semester hours.*

5, 6. INTERMEDIATE GRAMMAR. Review of grammar, conversation and written composition. Reading of classical and modern German literature. Thomas: Practical German Grammar; Heyse: Anfang und Ende; Lessing: Minna von Barnhelm; Goethe: Iphigenie; reading at sight. Three hours per week. *Six semester hours.*

Courses 3, 4 and 5, 6 are intended for students who offer German for admission and for those who have taken German 1, 2 in college. They are given in alternate years. Course 3, 4 will be given in 1921-22.

7, 8. ADVANCED GERMAN. History of the German language and literature; reading of works by Lessing, Schiller and Goethe, with a study of the classic period; written themes on assigned topics. Two hours per week. *Four semester hours.*

9, 10. ADVANCED GERMAN. Study of modern German literature with rapid reading of representative works of this period; history of German literature of the Nineteenth Century; German newspapers; written themes. Two hours per week. *Four semester hours.*

Courses 7, 8 and 9, 10 are given in alternate years. Course 7, 8 will be offered in 1921-22.

11, 12. SCIENTIFIC GERMAN. This course is planned to furnish drill in the reading of modern scientific German. It is intended for students pursuing courses in the natural sciences and for pre-medical students. It will be open to students who have had two years, or more, of German. Two hours per week. *Four semester hours.*

13, 14. TEACHERS' COURSE. A thorough drill in phonetics; a review of the grammar; an examination and study of textbooks; lectures on methods of teaching modern foreign languages, and discussions. The course will be open only to advanced students. One hour per week. *Two semester hours.*

GREEK

PROFESSOR BADEN

1. BEGINNING GREEK. The elements of the language followed by the reading of simple Attic prose. Three hours per week. *Three semester hours.*

2. THE ANABASIS OR CYROPOEDIA OF XENOPHON. Elementary Greek prose composition; general rules of syntax. Much attention is paid to the Greek element in English as an aid to the proper understanding of scientific terms. Three hours per week. *Three semester hours.*

3. THE BEGINNINGS OF GREEK ORATORY. Andocides: De Mysteriis; Lysias: Selected Orations. Review of the more important social and political questions arising from the revolutions of 411 and 404 B. C. Three hours per week. *Three semester hours.*

4. INTRODUCTION TO GREEK PHILOSOPHY. Plato: Apology and Phaedo. Life and work of Socrates; his views on the immortality of the soul. Three hours per week. *Three semester hours.*

5. GREEK ORATORY IN ITS PERFECTED DEVELOPMENT. Demosthenes: De Corona, or the Philippics. Selections from the other Attic ora-

tors illustrating the artistic development of rhetorical Greek. The policy and ideals of Demosthenes and their bearing on the struggles of Greece against Philip and Alexander. Two hours per week. *Two semester hours.*

6. GREEK EPIC POETRY. Homer. Selected books of the Iliad and Odyssey, presenting a study of the literary epic; special lectures and papers on the Homeric literature and age with particular reference to their influence on later Greek civilization. Two hours per week. *Two semester hours.*

7. GREEK DRAMA. Aeschylus: Prometheus Bound; Sophocles: Oedipus Tyrannus; Euripides: Medea. Rapid reading and analysis of other selected dramas; history of Greek tragic art and its relation to modern drama; the Greek theater, production of plays, actors, costumes, and scenic appliances. Two hours per week. *Two semester hours.*

8. GREEK HISTORY. Herodotus: selections describing the period of the Persian Wars, or Thucydides: selections showing the development of the Peloponnesian War and the part played by Pericles. Two hours per week. *Two semester hours.*

10. NEW TESTAMENT GREEK. Selections from the Gospels and Acts of the Apostles; study of the peculiarities of New Testament language and its relation to classic Greek. One of the Early Church Fathers, Justin Martyr or Athenagoras. Two hours per week. *Two semester hours.*

Course 10 is open only to seniors of the Classical Group.

HISTORY

PROFESSOR MUNSON

1, 2. MEDIAEVAL AND MODERN EUROPEAN HISTORY. From the establishment of the empire of Charlemagne to the present time. Special emphasis on the formation and development of the chief states of Europe; political, social and economic phases studied in connection with feudalism, the Renaissance, the Reformation, and commerce and industry. Three hours per week. *Six semester hours.*

Course 1, 2 is prescribed in all the groups.

3. POLITICAL HISTORY OF ENGLAND. From the Norman Conquest to the present time. Political, social and economic phases of the subject; background of American History; the part England has played in the history of the world, presenting the growth of the British Empire. Three hours per week. *Three semester hours.*

5. ENGLISH CONSTITUTIONAL HISTORY. From Anglo-Saxon times to the present. Development of the English constitution; its influence on the constitutions and governments of foreign countries. Three hours per week. *Three semester hours.*

Courses 3 and 5 are given in alternate years. Course 3 will be given in 1921-22.

7, 8. AMERICAN HISTORY. Colonization of America by the English; the relations between the colonies and England which led to the American Revolution; economic, social and political phases of United States History studied in connection with the constitution, political parties, the tariff, slavery, westward expansion, the growth of modern business and the part the nation is taking in world affairs. Three hours per week. *Six semester hours.*

Courses 3, 5 and 7, 8 are prescribed in the Historical-Political Group.

10. LATIN AMERICA AND THE ORIENT. A study of the history and the present economic, social and political conditions of Latin America, China and Japan, followed by a consideration of their relations with the United States. Three hours per week. *Three semester hours.*

Course 10 is given in alternate years. Offered in 1921-22.

12. TEACHERS' COURSE. The place of history in the school curriculum; examination of textbooks and works of reference; the interpretation of history, relation to other fields of learning. One hour per week. *One semester hour.*

Course 12 is open to Third and Fourth year students, and is given in alternate years. Offered in 1921-22.

LATIN

PROFESSOR KLINE

A, B. VERGIL. *Æneid*, Books I-VI. Greenough and Kittredge. Three hours per week. *Six semester hours.*

Course A, B is prescribed for students who offer three units of Latin for admission and intend to continue the subject in college. It is a prerequisite for course 1, 2.

1, 2. CICERO, LIVY, HORACE. Cicero: *De Senectute*, with a critical analysis of the essay. Livy: Book XXI, *History of the Punic Wars*. Horace: the *Odes* with sight reading. The Horatian meters will be carefully studied, together with the interpretation of the poems. Three hours per week. *Six semester hours.*

Course 1, 2 is prescribed for all candidates for the degree of Bachelor of Arts.

3, 4. HORACE, CICERO. Horace: Satires and selected Epistles, with a careful study of style and a discussion of Roman Satire. Cicero: De Oratore; its chief literary and rhetorical characteristics together with an examination of Roman Oratory. Horace: Ars Poetica; an analysis of the poem and a study of didactic poetry. Three hours per week. *Six semester hours.*

5, 6. LATIN COMEDY; CICERO AND PLINY. (1) Terence: Phormio and Heauton-Timorumenos. Plautus: Captivi or Trinummus and Menaechmi. Lectures on the ancient theater and kindred topics. (2) Cicero and Pliny the Younger: Selected Epistles. This part of the course is designed to train the student in the power of rapid reading, by covering a large amount of Latin of only moderate difficulty. Two hours per week. *Four semester hours.*

7, 8. TACITUS, LUCRETIVS. (1) Tacitus: Agricola, Germania and Selections from the Annals. A study of the aims and purposes of the works with a survey of Roman History. (2) Lucretius: De Rerum Natura. A study of Epicureanism, Lucretius as a philosopher and a poet, his influence on other writers. Two hours per week. *Four semester hours.*

Courses 5, 6 and 7, 8 are given in alternate years. Course 7, 8 will be given in 1921-22.

9, 10. TEACHERS' COURSE. A consideration of the aims and purposes of classical studies. Preparatory authors will be discussed and interpreted with special regard to the essential points in teaching. Two hours per week. *Two semester hours.*

This work may be taken as part of course 5, 6 or 7, 8 in the latter part of the second semester.

Course 9, 10 is elective in the Classical group and for others in special cases.

MATHEMATICS AND ASTRONOMY

PROFESSOR CLAWSON, MR. SMALL

1, 2. ELEMENTARY FUNCTIONS. Topics from algebra, trigonometry and analytics designed to give an idea of the place of mathematics in the world of thought and action. Gale and Watkins: Elementary Functions. Two hours per week. *Four semester hours.*

Course 1, 2 is prescribed for all First year students.

3-4. ELEMENTARY ANALYSIS. Supplementary to course 1, 2 with a more complete treatment of important topics and a consideration

of additional topics from the same fields and from calculus. Two hours per week. *Four semester hours.*

Course 3-4 is prescribed in the Mathematical Group and for all candidates for the degree of Bachelor of Science.

5. PLANE ANALYTICAL GEOMETRY. The use of algebraic methods in the study of geometry. Roberts and Colpitts: *Analytic Geometry*. Three hours per week. *Three semester hours.*

Course 5 is prescribed in the Mathematical Group.

6. SOLID GEOMETRY. The methods of pure geometry, of analytic geometry and of descriptive geometry applied in the study of polyhedrons and simple curved surfaces. Spherical trigonometry. Three hours per week. *Three semester hours.*

Course 6 is prescribed in the Mathematical Group.

7-8. CALCULUS. A standard course in the differential and integral calculus with applications. Murray: *Infinitesimal calculus*. Two hours per week. *Four semester hours.*

9-10. INTRODUCTION TO MODERN GEOMETRY. The recent geometry of the triangle and quadrilateral; anharmonic ratio; ranges and pencils; projective geometry; non-Euclidean geometry. Durell: *Modern Geometry*. Two hours per week. *Four semester hours.*

11-12. INTRODUCTION TO MODERN ALGEBRA. Topics in higher algebra; the solution of equations; complex numbers; theory of numbers. Two hours per week. *Four semester hours.*

Course 11-12 will not be offered in 1921-22.

13, 14. DIFFERENTIAL EQUATIONS AND ANALYTIC MECHANICS. The solution of ordinary differential equations and of the simpler types of equations with more than one independent variable; the methods of analytic statics, particle kinetics, and elementary rigid dynamics. Two hours per week. *Four semester hours.*

Course 13, 14 will not be offered in 1921-22.

15-16. TEACHERS' COURSE. Review of the field, consideration of textbooks, the aims of instruction, methods of teaching. Young: *The Teaching of Mathematics*. One hour per week. *Two semester hours.*

17-18. ASTRONOMY. Facts and theories concerning the appearance, dimensions, constitution, motions and inter-relations of celestial bodies; practical applications. One hour per week. *Two semester hours.*

Course 17-18 will not be offered in 1921-22.

Ursinus College

MUSIC

MR. JOLLS, MISS WALDRON

1-2. SIGHT SINGING AND EAR TRAINING. Notation, rhythm, tone relations, scale relations, transitions, modes, modulations and intervals. A fundamental course. Two hours per week. *Four semester hours.*

3-4. HARMONY. Triads and their inversions. Chords of the seventh. Augmented sixth chords. Modulations. Transpositions. Suspensions. Three hours per week. *Six semester hours.*

5-6. ADVANCED HARMONY AND COUNTERPOINT. Harmonizing melodies. Analysis of chorals. Insertion of more than four parts. Enharmonic changes. Strict and free counterpoint. Double counterpoint. Canon. Imitation. Fugue. Three hours per week. *Six semester hours.*

7, 8. HISTORY OF MUSIC. Development of music in its various forms from the beginning of the Christian era to the present time, with special reference to the progress of musical taste and culture. Text, lectures and collateral reading. One hour per week. *Two semester hours.*

9, 10. METHODS IN PUBLIC SCHOOL MUSIC. Preparation of qualified students for the supervision and teaching of music in the public schools. The instruction is supplemented with observation and practice teaching. One hour per week. *Two semester hours.*

11, 12. APPRECIATION OF SCHOOL MUSIC. An extension of course 9, 10; instruction in the understanding and teaching of appreciation of music in the schools. One hour per week. *Two semester hours.*

Private instruction is provided in Practical Music (piano, violin and voice). For terms see page 67.

PHILOSOPHY

PROFESSOR TOWER

1. ETHICS. A study of the principles of moral judgment, with exposition and criticism of the great theories concerning the basis of the distinction between right and wrong conduct; the various problems of theoretical and practical ethics. Papers by students. Three hours per week. *Three semester hours.*

2. LOGIC. A study of the guiding principles involved in correct thinking; the uses of terms and classification; the nature of deductive inference with special reference to fallacious forms of reasoning as

they receive expression in daily life; the canons of inductive inference, and the basic concepts involved in scientific method. Three hours per week. *Three semester hours.*

Course 2 alternates with Psychology 2. Offered in 1921-22.

3. HISTORY OF ANCIENT AND MEDIAEVAL PHILOSOPHY. This course and the following are designed to assist the student in his interpretation of modern thought-currents by giving him some acquaintance with the productions of the great constructive minds of the past. Three hours per week. *Three semester hours.*

4. HISTORY OF MODERN PHILOSOPHY. Descartes; Spinoza; Leibniz; the English Empiricists; Kant and Post-Kantian idealism; recent philosophical tendencies. Three hours per week. *Three semester hours.*

Courses 3 and 4 are required of all candidates for honors in philosophy.

6. PHILOSOPHY OF RELIGION. An outline course designed to acquaint the student with the fundamental problems of the religious consciousness in their philosophical aspects. Three hours per week. *Three semester hours.*

7-8. PHILOSOPHICAL SEMINAR. Recent and contemporary philosophical constructions and their critics. Idealism, Pragmatism, Neo-Realism. Selected portions of the works of Bradley, Royce, James, Schiller, Bergson, and the Neo-Realists will be read. Two hours per week. *Four semester hours.*

POLITICAL SCIENCE

PROFESSOR MUNSON

1. AMERICAN GOVERNMENT. A critical study of the development and present form of political institutions in the states and nation; special emphasis on the party organizations and recent reforms in the suffrage; the government of the dependencies of the United States. Three hours per week. *Three semester hours.*

Course 1 is prescribed in all of the groups.

2. PRINCIPLES OF ECONOMICS. A general course in the development of economic theory and activity; the various theories of supply and demand, production, consumption and distribution studied as a background for a consideration of practical problems such as the tariff monopolies, the labor movement and public finance. Three hours per week. *Three semester hours.*

4. MONEY AND BANKING. A detailed study of the various forms and uses of credit institutions as related to business; national and international transactions. Prerequisite, course 2. Three hours per week. *Three semester hours.*

Course 4 is given in alternate years. Not offered in 1921-22.

PSYCHOLOGY

PROFESSOR TOWER

1. ELEMENTARY PSYCHOLOGY. An introductory study of conscious processes and functions with reference to their cerebral accompaniments and expression in human behavior. Three hours per week. *Three semester hours.*

2. SOCIAL PSYCHOLOGY. A study of the instinctive bases of group action and of the group influences by which the individual is surrounded; tradition, custom and public opinion, as well as other psychological and social forces which affect individual judgment and action. Three hours per week. *Three semester hours.*

Course 2 alternates with Philosophy 2. Not offered in 1921-22.

3. EDUCATIONAL PSYCHOLOGY. Theoretical Aspects. The data of psychology in their bearing on teaching and learning, the instinctive equipment of the learner, variation in human capacities, inheritance of human traits, rate and progress of learning, transference of training, and allied subjects. Three hours per week. *Three semester hours.*

4. EDUCATIONAL PSYCHOLOGY. Practical Considerations. The psychological processes involved in the study of special school subjects, habits and methods of study, methods of increasing efficiency, objective measurements of proficiency, marks as indices of proficiency. Three hours per week. *Three semester hours.*

PHYSICS

PROFESSOR CLAWSON

1-2. GENERAL PHYSICS. A year's course designed to give the student a broad outlook over the field of Physics. A textbook is studied, illustrative problems are solved and laboratory exercises are performed to bring out the important fundamental laws of mechanics, heat, sound, light and electricity. Practical applications are adequately treated. Occasional reference is made to the historical

development and to changing hypotheses in certain subjects. Two hours class work and four hours laboratory work. *Eight semester hours.*

Course 1-2 is prescribed for candidates for the degree of Bachelor of Science in the Mathematical Group and is elective in all of the other groups. Prerequisite, Plane Trigonometry.

3-4. THEORY OF MEASUREMENT. The adjustment of observations and the method of least squares; errors; statistical methods. A limited number of experiments with a determination of the probable error of the result in each case. Weld: Theory of Errors. One class period and one laboratory period. *Four semester hours.*

Course 3-4 is given in alternate years; offered in 1921-22.

SPANISH

PROFESSOR BADEN

1, 2. BEGINNING SPANISH. Essential forms and general rules of syntax. Selected Spanish texts, including Dorado; España Pintoresca; Isaacs: María; Galdós: Electra. Three hours per week. *Six semester hours.*

3, 4. SPANISH COMMERCIAL CORRESPONDENCE. This course is based on genuine letters, written by Spanish business houses. One hour per week. *Two semester hours.*

5, 6. CONTEMPORARY NOVEL AND DRAMA. Ibáñez, Bazán, Pereda, Valera, Moratín, Bretón. Each student is expected to read one novel and one play for special examination. Classical Spanish Prose. Cervantes: Don Quijote. Two hours per week. *Four semester hours.*

7, 8. THE GOLDEN PERIOD OF SPANISH LITERATURE (Contemporary with the Elizabethan Period in English). Calderón: La Vida es Sueño, El Alcalde de Zalamea. Lope de Vega: La Estrella de Sevilla, La Moza de Cántaro. Two hours per week. *Four semester hours.*

MEDICAL PREPARATORY COURSES

The College offers to students looking forward to the study of medicine the following curricula arranged in recognition of the demands of different classes of students and in view of the requirements of medical colleges:

FOUR YEAR CURRICULUM. As a complete preparation giving the student a liberal education as well as special training in certain branches of learning, and meeting the requirements of the most exacting medical institutions, the College provides the carefully articulated arrangement of courses represented in the Chemical-Biological Group (see page 57). One hundred and twenty semester hours, embracing four years of college work and qualifying the candidate for the bachelor's degree, are required.

The College recommends this curriculum as best meeting the requirements of the medical profession. Graduates of Ursinus College who, as students in college, pursued this group of studies, have taken high rank in the various medical colleges and subsequently in the practice of their profession.

TWO YEAR CURRICULUM. Nearly all the great medical schools including those of the University of Pennsylvania, Harvard, Yale and Columbia, continue as yet to receive students whose preparation has been less than that represented in a full college course, provided it includes certain subjects of study and embraces at least two years of work in college. To meet the needs of such students, Ursinus College offers a two-year pre-medical curriculum including the following courses: Chemistry 1-2 and 3-4, Physics 1-2, Biology 1, 4, German 1, 2 or 11, 12, or French 1, 2 or 3, 4 and Mathematics 1, 2. Ten courses in all, of which three may be elective, are required of students pursuing the Two Year Curriculum.

ADMISSION TO MEDICAL PREPARATORY COURSES. Candidates for admission who intend to pursue the Four Year Curriculum must comply with the regular terms of admission as set forth on pages 21 and 22. Others must present certificates showing that they have had four years of work in an accredited secondary school or its equivalent, and indicating that they have satisfactorily completed fourteen units of preparatory work, seven of which must be distributed as follows: English, 2 units; Mathematics, 2 units; Latin, Greek or French, 2 units; and History, 1 unit. Blank forms for these certificates are furnished by the Dean of the College to whom all communications on the subject and all certificates should be addressed.

THE GROUPS

The group system is employed in the organization and administration of instruction. By this system, the courses of instruction are offered in carefully arranged groups, each comprising (1) dominant subjects which adapt the group to the intellectual tastes and the future purposes of the student, (2) other prescribed subjects essential to a liberal education and required of all students, and (3) elective subjects from which may be selected studies meeting the particular objectives of each individual. A student, at matriculation, chooses the group of studies he desires to pursue, and with the advice and consent of his Adviser, selects his studies for the year and reports the same to the Dean on a blank provided for the purpose. By virtue of this act he becomes a member of the group of his choice and as such is officially recognized thereafter in all acts and processes of administration in the College. A student who is uncertain on entering college as to his life purposes and, therefore, undecided as to the group of studies he should pursue, may make a temporary choice and change to any group he may prefer at the end of the first year.

CHOICE OF STUDIES

In registering, the student must present his complete list of studies, both prescribed and elective, *for the whole year*.

Courses to satisfy conditions take precedence of regular courses. It is strongly advised that conditions be made up in the Summer Session so as not to interfere with the proper arrangement of one's curriculum as laid down.

In selecting studies for the year, the student will follow the synopsis of his group as presented, although with the approval of his Adviser and of the Dean, he may substitute other studies for the elective courses listed; or at the beginning of a year may change from one group to another.

When a student changes to another group he will receive credit toward graduation only for such of the prescribed courses as he may have completed as are included in the group to which he has received permission to change.

REQUIREMENTS FOR GRADUATION

For the degree of Bachelor of Arts or Bachelor of Science, a student must complete *one hundred and twenty semester hours* of work, not counting the work in physical training. A student may not take in any one year less than twenty-four, nor more than thirty-six semester hours of work. It is strongly recommended that the student's curriculum include: First year, from thirty to thirty-six semester hours; Second year, thirty semester hours; Third year, thirty semester hours; Fourth year, twenty-four to thirty semester hours.

In arranging his curriculum, every regular student must provide for meeting the following general requirements:

A. FOR THE BACHELOR OF ARTS DEGREE: (1) six semester hours of Latin, provided four units of Latin were offered toward admission; twelve semester hours, provided only three units were offered toward admission; (2) six semester hours of the modern language offered toward admission, or twelve semester hours of a modern language begun in college, except for students of the Classical Group in which only one year of a modern language is required; (3) at least five semester hours of science, in addition to Biology 2, including not less than one semester of laboratory work.

B. FOR THE BACHELOR OF SCIENCE DEGREE: (1) six semester hours of the first modern language offered toward admission and six semester hours of a second modern language offered toward admission, or twelve semester hours of a second modern language begun in college; (2) at least five semester hours of science, in addition to Biology 2, including not less than one semester of laboratory work; (3) four semester hours of mathematics, in addition to the mathematics prescribed for all students or an equivalent amount, or more, of work in science.

The general requirements in foreign languages and in science must be fulfilled one year prior to graduation.

CLASSICAL GROUP

Prescribed courses are printed in small capitals. Figures designate courses as arranged by departments on preceding pages. Odd numbers refer to first semester, even numbers to second semester. Numbers in parentheses indicate semester hours.

<i>First Year</i>		<i>Second Year</i>	
LATIN A. B.,* or 1, 2	(6)	LATIN 1, 2 or 3, 4	(6)
GREEK 1 and 2	(6)	GREEK 3 and 4	(6)
ENGLISH BIBLE 1, 2	(4)	HISTORY 1, 2	(6)
BIOLOGY 2	(3)	Biology 1 or 9 and 8	(5)
ENGLISH COMP. 1, 2	(2)	Chemistry 1-2	(8)
ENGLISH LIT. 1, 2	(4)	Education 3	(3)
MATHEMATICS 1, 2	(4)	English Comp. 3, 4 or 5, 6	(2)
Biology 1 or 9	(3)	English Lit. 3, 4	(4)
French 1, 2 or 3, 4	(6)	French 1, 2 or 3, 4	(6)
German 1, 2 or 3, 4	(6)	Geology 1	(2)
Mathematics 3, 4	(4)	German 1, 2 or 3, 4	(6)
Music 1-2	(4)	Mathematics 3, 4	(4)
Physics 1-2	(8)	Music 3-4	(6)
Spanish 1, 2; 3, 4	(6)	Physics 1, 2	(8)
		Spanish 1, 2; 3, 4	(6)
<i>Third Year</i>		<i>Fourth Year</i>	
LATIN 7, 8 or		GREEK 5 and 6 or 7 and 8 or	
GREEK 5 and 6	(4)	LATIN 7, 8	(4)
ENGLISH BIBLE 3, 4	(4)	PHILOSOPHY 1	(3)
PHILOSOPHY 2 or	(3)	Church History 4	(2)
PSYCHOLOGY 2		Education 5 or 8	(5)
PSYCHOLOGY 1	(3)	Education 10	(3)
POLITICAL SCIENCE 1	(3)	English Comp. 9, 10	(2)
Biology 8	(2)	English Lit. 9-10	(4)
Education 3; 5	(2)	English Lit. 11-12	(6)
English Comp. 8	(3)	Expression 3, 4	(4)
English Lit. 5; 6	(6)	French 7, 8	(4)
Expression 1, 2	(4)	Geology 1-2	(4)
Geology 1	(2)	German 13, 14	(2)
German 7, 8	(4)	Greek 10	(2)
History 3	(3)	History 10	(3)
Music 5-6	(6)	Latin 9, 10	(2)
Political Science 2	(3)	Music 9, 10 and 11, 12	(4)
Psychology 3; 4	(3)	Philosophy 3, 4; 6; 7-8	(6)
Spanish 5, 6	(4)	Spanish 7, 8	(4)

* For students who present only three units of Latin toward admission.

Ursinus College

MATHEMATICAL GROUP

Prescribed courses are printed in small capitals. Figures designate courses as arranged by departments on preceding pages. Odd numbers refer to first semester, even numbers to second semester. Numbers in parentheses indicate semester hours.

First Year

MATHEMATICS 1, 2 and 3, 4	(8)
BIOLOGY 2	(3)
ENGLISH BIBLE 1, 2	(4)
ENGLISH COMP. 1, 2	(2)
ENGLISH LIT. 1, 2	(4)
FRENCH 1, 2 or 3, 4* or	
LATIN A, B or 1, 2	(6)
GERMAN 1, 2 or 3, 4 or	
SPANISH 1, 2	(6)
Biology 1 or 9	(3)
Music 1-2	(4)
Physics 1-2	(6)
Spanish 3, 4	(2)

Second Year

MATHEMATICS 5 and 6	(6)
LATIN 1, 2 or	(6)
PHYSICS 1-2	(8)
HISTORY 1, 2	(6)
Biology 1 or 9	(3)
Chemistry 1-2	(8)
Education 3	(3)
English Comp. 3, 4; 5, 6	(2)
English Lit. 3, 4	(4)
French 5, 6; 7, 8	(4)
Geology 1	(2)
German 3, 4	(6)
Physics 1-2	(8)
Spanish 3, 4	(2)

Third Year

MATHEMATICS 7, 8 or	(4)
PHYSICS 3-4	(4)
ENGLISH BIBLE 3, 4	(4)
PHILOSOPHY 2 or	
PSYCHOLOGY 2	(3)
PSYCHOLOGY 1	(3)
POLITICAL SCIENCE 1	(3)
Biology 7; 8	(2)
Chemistry 3-4	(8)
Education 5	(3)
English Comp. 8	(3)
English Lit. 5; 6	(6)
Expression 1, 2	(4)
Geology 1	(3)
History 3; 5	(3)
Music 3-4	(6)
Political Science 2	(3)
Psychology 3; 4	(3)
Spanish 5, 6; 7, 8	(4)

Fourth Year

MATHEMATICS 9-10	(4)
PHILOSOPHY 1	(3)
Church History 4	(2)
Education 5; 8; 10	(3)
English Comp. 9, 10	(2)
English Lit. 9, 10	(4)
English Lit. 11-12	(6)
Expression 3, 4	(4)
Geology 1-2	(4)
History 7, 8	(6)
Mathematics 15-16	(2)
Music 5-6	(6)
Music 9, 10 and 11, 12	(4)
Philosophy 3, 4	(6)
Philosophy 6	(3)
Philosophy 7-8	(4)
Political Science 4	(3)
Psychology 3; 4	(3)
Spanish 7, 8	(4)

* Candidates for the Bachelor of Science degree take French; candidates for the Bachelor of Arts degree take Latin.

CHEMICAL-BIOLOGICAL GROUP

Prescribed courses are printed in small capitals. Figures designate courses as arranged by departments on preceding pages. Odd numbers refer to first semester, even numbers to second semester. Numbers in parentheses indicate semester hours.

First Year

BIOLOGY 2	(3)
ENGLISH BIBLE 1, 2	(4)
ENGLISH COMP. 1, 2	(2)
ENGLISH LIT. 1, 2	(4)
FRENCH 1, 2 <i>or</i> 3, 4,* <i>or</i>	
LATIN A. B. <i>or</i> 1, 2	(6)
MATHEMATICS 1, 2	(4)
BIOLOGY 1 <i>or</i> 9, <i>or</i>	(3)
CHEMISTRY 1-2	(8)
German 1, 2; 3, 4	(6)
Mathematics 3, 4	(4)
Physics 1-2	(8)
Spanish 1, 2; 3, 4	(6)

Second Year

CHEMISTRY 1-2 <i>or</i>	(8)
CHEMISTRY 3-4	(8)
BIOLOGY 8 <i>or</i>	(2)
GEOLOGY 1	(2)
HISTORY 1, 2	(6)
Biology 4	(4)
Education 3	(3)
English Comp. 3, 4 <i>or</i> 5, 6	(2)
English Lit. 3, 4	(4)
French 5, 6 <i>or</i> 7, 8	(4)
German 3, 4	(6)
Latin 1, 2	(6)
Physics 1-2	(8)
Spanish 5, 6	(4)

Third Year

BIOLOGY 9 and 6 <i>or</i>	(7)
BIOLOGY 3 and 12 <i>or</i>	(6)
CHEMISTRY 7-8	(8)
ENGLISH BIBLE 3, 4	(4)
PHILOSOPHY 2 <i>or</i>	
PSYCHOLOGY 2	(3)
POLITICAL SCIENCE 1	(3)
Biology 3; 7; 8	(3)
Education 3; 5	(3)
English Comp. 8	(3)
English Lit. 5, 6	(6)
Expression 1, 2	(4)
French 5, 6; 7, 8	(4)
Geology 1	(2)
German 11, 12	(4)
Political Science 2	(2)
Psychology 3; 4	(3)
Physics 3-4	(4)
Spanish 7, 8	(4)

Fourth Year

CHEMISTRY 7-8 <i>or</i>	(8)
BIOLOGY 6 and 9 <i>or</i>	(7)
BIOLOGY 3 and 12	(6)
PHILOSOPHY 1	(3)
Biology 7; 10	(2)
Church History 4	(2)
Education 5; 8; 10	(3)
English Comp. 9, 10	(2)
English Lit. 9-10	(4)
English Lit. 11-12	(6)
Expression 3, 4	(4)
Geology 1	(2)
History 7, 8	(6)
Philosophy 3, 4	(6)
Philosophy 6	(3)
Philosophy 7-8	(4)
Political Science 4	(3)
Psychology 3	(3)
Psychology 4	(3)
Spanish 7, 8	(4)

* Candidates for the Bachelor of Science degree take French; candidates for the Bachelor of Arts degree take Latin.

HISTORICAL-POLITICAL GROUP

Prescribed courses are printed in small capitals. Figures designate courses as arranged by departments on preceding pages. Odd numbers refer to first semester, even numbers to second semester. Numbers in parentheses indicate semester hours.

<i>First Year</i>		<i>Second Year</i>	
ENGLISH BIBLE 1, 2	(4)	HISTORY 1, 2	(6)
BIOLOGY 2	(3)	FRENCH 3, 4 or 5, 6 or	
ENGLISH COMP. 1, 2	(2)	LATIN 1, 2	(6)
ENGLISH LIT. 1, 2	(4)	GERMAN 3, 4 or	
FRENCH 1, 2 or 3, 4* or		SPANISH 1, 2	(6)
LATIN A, B or 1, 2	(6)	Biology 8	(2)
MATHEMATICS 1, 2	(4)	Chemistry 1-2	(8)
GERMAN 1, 2 or 3, 4 or		Education 3	(3)
SPANISH 1, 2	(6)	English Comp. 3, 4 or 5, 6	(2)
Biology 1 or 9	(3)	English Lit. 3, 4	(4)
Mathematics 3, 4	(4)	Geology 1	(2)
Music 1-2	(4)	Music 3-4	(6)
Physics 1-2	(6)	Physics 1-2	(8)
<i>Third Year</i>		<i>Fourth Year</i>	
HISTORY 3 or 5	(3)	HISTORY 7, 8	(6)
POLITICAL SCIENCE 1, 2	(6)	POLITICAL SCIENCE 4	(3)
ENGLISH BIBLE 3, 4	(4)	PHILOSOPHY 1	(3)
PHILOSOPHY 2 or		Biology 7	(2)
PSYCHOLOGY 2	(3)	Church History 4	(2)
PSYCHOLOGY 1	(3)	Education 5	(3)
Biology 7; 8	(2)	Education 8; 10	(3)
Church History 4	(2)	English Comp. 9, 10	(2)
Education 3; 5	(3)	English Lit. 5; 6	(6)
English Comp. 8	(3)	English Lit. 9, 10	(4)
English Lit. 5; 6	(6)	English Lit. 11-12	(6)
Expression 1, 2	(4)	French 11, 12	(4)
French 7, 8; 9, 10	(4)	German 11, 12	(4)
German 7, 8	(4)	History 10	(3)
German 11, 12	(4)	History 12	(1)
Music 5-6	(6)	Music 7; 8	(2)
Psychology 3	(3)	Philosophy 3, 4	(6)
Psychology 4	(3)	Philosophy 6	(3)
Physics 3-4	(4)	Philosophy 7-8	(4)
Spanish 5, 6	(4)	Spanish 7, 8	(4)

* Candidates for the Bachelor of Science degree take French; candidates for the Bachelor of Arts degree take Latin.

Groups of Courses

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ENGLISH-HISTORICAL GROUP

Prescribed courses are printed in small capitals. Figures designate courses as arranged by departments on preceding pages. Odd numbers refer to first semester, even numbers to second semester. Numbers in parentheses indicate semester hours.

<i>First Year</i>		<i>Second Year</i>	
ENGLISH COMP. 1, 2	(2)	HISTORY 1, 2	(6)
ENGLISH LIT. 1, 2	(4)	ENGLISH COMP. 3, 4 or 5, 6	(2)
ENGLISH BIBLE 1, 2	(4)	ENGLISH LIT. 3, 4	(4)
BIOLOGY 2	(3)	FRENCH 3, 4 or 5, 6 or	
FRENCH 1, 2 or 3, 4* or		LATIN 1, 2	(6)
LATIN A, B or 1, 2	(6)	GERMAN 3, 4 or	
MATHEMATICS 1, 2	(4)	SPANISH 1, 2	(6)
Biology 1 or 9	(3)	Biology 1 or 9	(3)
Chemistry 1-2	(8)	Chemistry 1-2	(8)
German 1, 2 or 3, 4	(6)	Education 3	(3)
Music 1-2	(4)	Geology 1	(2)
Physics 1-2	(8)	Music 3-4	(6)
Spanish 1, 2	(6)	Physics 1-2	(8)
<i>Third Year</i>		<i>Fourth Year</i>	
ENGLISH LIT. 5 and 6	(6)	ENGLISH LIT. 9-10 or	(6)
HISTORY 3	(3)	ENGLISH LIT. 11-12 or	(4)
ENGLISH BIBLE 3, 4	(4)	HISTORY 7, 8	(6)
PHILOSOPHY 2 or		PHILOSOPHY 1	(3)
PSYCHOLOGY 2	(3)	Biology 7; 8	(2)
PSYCHOLOGY 1	(3)	Church History 4	(2)
POLITICAL SCIENCE 1	(3)	Education 5; 8	(3)
Biology 7; 8	(2)	Education 10	(3)
Church History 4	(2)	English Comp. 9, 10	(2)
Education 3; 5	(3)	French 11, 12	(4)
English Comp. 8	(3)	French 13, 14	(2)
Expression 1, 2	(4)	German 11, 12	(4)
French 7, 8	(4)	German 13, 14	(2)
French 9, 10	(4)	History 10	(3)
German 7, 8	(4)	History 12	(1)
German 11, 12	(4)	Philosophy 3, 4	(6)
Music 5-6	(6)	Philosophy 6	(3)
Psychology 3	(3)	Philosophy 7-8	(4)
Psychology 4	(3)	Spanish 7, 8	(4)
Spanish 5, 6	(4)		

* Candidates for the Bachelor of Science degree take French; candidates for the Bachelor of Arts degree take Latin.

MODERN LANGUAGE GROUP

Prescribed courses are printed in small capitals. Figures designate courses as arranged by departments on preceding pages. Odd numbers refer to first semester, even numbers to second semester. Numbers in parentheses indicate semester hours.

First Year

FRENCH 1, 2 or 3, 4* or	
LATIN A, B or 1, 2	(6)
GERMAN 1, 2 or 3, 4 or	
SPANISH 1, 2	(6)
ENGLISH BIBLE 1, 2	(4)
BIOLOGY 2	(3)
MATHEMATICS 1, 2	(4)
Biology 1 or 9	(3)
Chemistry 1-2	(6)
Mathematics 3, 4	(4)
Music 1-2	(4)
Physics 1-2	(8)
Spanish 3, 4	(2)

Second Year

FRENCH 3, 4 or 5, 6 or	
LATIN 1, 2	(6)
GERMAN 3, 4 or	(6)
GERMAN 7, 8 or	(4)
SPANISH 3, 4 or	(6)
SPANISH 5, 6	(4)
HISTORY 1, 2	(6)
Biology 1 or 9	(3)
Chemistry 1-2	(8)
Education 3	(3)
English Comp. 3, 4 or 5, 6	(2)
English Lit. 3, 4	(4)
Geology 1	(2)
Music 3-4	(6)

Third Year

FRENCH 5, 6 or 7, 8 or	
GERMAN 7, 8 or	
SPANISH 7, 8	(4)
ENGLISH BIBLE 3, 4	(4)
PHILOSOPHY 2 or	
PSYCHOLOGY 2	(3)
PSYCHOLOGY 1	(3)
Church History 4	(2)
Political Science 1	(3)
Biology 7; 8	(2)
Education 3; 5	(3)
English Comp. 8	(3)
English Lit. 5; 6	(6)
Expression 1, 2	(4)
Geology 1	(2)
History 3	(3)
Music 5-6	(6)
Political Science 2	(3)
Psychology 3; 4	(3)

Fourth Year

FRENCH 7, 8 or 9, 10 or	
GERMAN 11, 12 or	
SPANISH 7, 8	(4)
ENGLISH LIT. 5 and 6	(6)
PHILOSOPHY 1	(3)
Church History 4	(2)
Education 5; 8; 10	(3)
English Comp. 9, 10	(2)
English Lit. 9-10	(4)
English Lit. 11-12	(6)
Expression 3, 4	(4)
French 13, 14	(2)
German 13, 14	(2)
History 7, 8	(6)
History 10	(3)
Music 9, 10 and 11, 12	(4)
Philosophy 3, 4	(6)
Philosophy 6	(3)
Philosophy 7-8	(4)

* Candidates for the Bachelor of Science degree take French; candidates for the Bachelor of Arts degree take Latin.

ADMINISTRATION

GRADES OF SCHOLARSHIP

On the completion of a course the standing of a student is expressed, according to his proficiency, by one of five grades, designated respectively by the letters A, B, C, D, E. Grade E in any course denotes failure.

Each student is required to do a grade of work that shall average C in the courses pursued in any one year; and in the event of his failure to do so, shall be required to repeat in the following year such course or courses as may be necessary to raise the average grade to C, the repeated work to take precedence over any additional courses.

A permanent record is kept of each student's work, and a report of the same is sent to his parents or guardian at the close of each semester.

HONORS

COMMENCEMENT PARTS

Two commencement parts (or honors) are assigned to members of the graduating class; one to the young man attaining the highest grade among the young men; the other to the young woman attaining the highest grade among the young women. Of these two, the one having the higher grade is assigned the Valedictory; the other, the Salutatory.

GRADUATION WITH DISTINCTION

Members of the graduating class, who have shown great proficiency in their entire course may be graduated with distinction if, in the opinion of the Faculty, their attainments warrant such honors. These distinctions are: *summa cum laude*, *magna cum laude*, and *cum laude*, and are given only for unusual excellence in all the subjects pursued by the candidate.

DEPARTMENT HONORS

Students may be graduated with special honors in departments of study in which they have shown exceptional proficiency, and in which they have done extra work as prescribed in the following rules:

1. A candidate for department honors must have the endorsement of the professor in charge of the department in which he expects to try for such honors, and must enroll as a candidate at the Dean's office not later than one month after the opening of the college year in which he expects to receive his degree.

2. A student must have maintained a grade not lower than C in any course previously pursued after the First year and must maintain an average of B while he is pursuing his work as a candidate for department honors.

3. A candidate shall be required to do an amount of work equivalent to one-half course in the department in which he intends to try for honors, in addition to the full number of courses prescribed for graduation; and shall submit to the Faculty a thesis on some subject within the field represented by his extra work. The thesis must be presented at least one week before the time set for the Fourth year final examinations.

PRIZES

ORATORICAL PRIZES

Cash prizes of Twenty Dollars and Fifteen Dollars are offered by Alvin Hunsicker, B.S., of New York City, and the Rev. J. W. Meminger, D.D., of Lancaster, Pa., respectively, both members of the class of 1884, for the best and second best orations delivered in the Junior Oratorical Contest for men on Monday evening of Commencement week.

Cash prizes of Twenty Dollars and Ten Dollars are offered by the Ursinus Woman's Club, and Miss Katherine E. Fetzer, of Philadelphia, respectively, for the best and second best orations delivered in the Junior Oratorical Contest for young women, held also on Monday evening of Commencement week.

THE HAVILAH MCCURDY ESSAY PRIZE

A cash prize of Twenty Dollars is offered by Mrs. Havilah McCurdy Bennett, A.M., '92, of Washington, D. C., for the best essay on an assigned topic. Competition for this prize is limited to students holding positions under the Bureau of Self-Help.

THE PHILIP H. FOGEL MEMORIAL PRIZE

The Philip H. Fogel Memorial Prize of Twenty-five Dollars is awarded annually to the student who attains the highest excellence in the department of the English Bible, as shown by examination on completion of all prescribed work. The prize has been endowed by Mrs. Edwin J. Fogel in memory of her son Philip H. Fogel, Ph.D., of the Class of 1901.

SCHOLARSHIP PRIZES

Twenty scholarships are offered annually under special conditions, by the authority of the Directors of the College, as prizes in approved secondary schools. These scholarships are good for four years, provided the holder maintains a creditable record in both scholarship and deportment. A scholarship entitles the holder to a rebate of Fifty Dollars on each year's bills.

DEGREES

The College confers the degrees of Bachelor of Arts and Bachelor of Science on all students who have completed the academical exercises appointed for them by the Faculty, and, upon final examination, have been approved as candidates for these degrees. The institution confines itself exclusively to undergraduate work. Candidates for the degree of Master of Arts are referred to university graduate schools.

On academic occasions the College may confer the honorary degrees of Doctor of Divinity, Doctor of Science, Doctor of Letters and Doctor of Laws on persons whose distinguished ability or service may have been deemed worthy of such recognition by the Faculty.

ORGANIZATIONS

Two literary societies, the ZWINGLIAN and the SCHAFF, each having held a place of honor and great usefulness in the College from the earliest days, provide undiminished opportunities to all students for the cultivation of the arts and letters and for training in public speaking and parliamentary practice. Each society is provided with a hall for its exclusive use. Both societies meet regularly every Friday evening throughout the year.

The YOUNG MEN'S CHRISTIAN ASSOCIATION, the YOUNG WOMEN'S CHRISTIAN ASSOCIATION, a STUDENT VOLUNTEER BAND and the BROTHERHOOD OF ST. PAUL represent active and immensely helpful forms of religious life among the students.

The ATHLETIC ASSOCIATION, the Men's and Women's GLEE CLUBS, the ORCHESTRA and the COLLEGE CHOIR provide a wide range of extra-classroom activities for the exercise of special talents and the development of latent abilities.

The six GROUPS of the college, the Classical, the Mathematical, the Chemical-Biological, the Historical-Political, the English-Historical and the Modern Language, hold stated meetings on the second Wednesday evening of each month. The groups are of the nature of literary and scientific clubs, and the meetings combine academical and social features.

PUBLICATIONS

THE URSINUS BULLETIN, of which the catalogue is a number, is the official publication of the College. It is issued quarterly and is distributed free of charge to the students and the public.

THE URSINUS WEEKLY, published by the Alumni Association, is managed by a Board of Control representative of the alumni, the Faculty and the student body, and edited by a Staff chosen from the membership of the literary societies. It is a

four-page newspaper, invaluable as a record of life at Ursinus for students and alumni alike. It is issued on subscription at cost.

THE RUBY, the Senior class book, is an annual printed on plate paper and elegantly bound. It is a pictorial volume presenting an intimate view of the year's life, not only of the Class, but of the whole College. The book is sold at a price to cover cost.

POST OFFICE AND SUPPLY STORE

The College maintains a Post Office for the handling of all mail matter. Adjacent to the Post Office is a Supply Store, in which is kept on sale a full line of textbooks (new and second-hand), stationery, athletic goods, fruits and confections, souvenirs, novelties, and students' supplies. The profits of the Store are used in the support of the College Library.

EXPENSES

COLLEGE FEES

The fee for instruction is \$180 a year. A charge of \$10 is made in the last year to cover expense of graduation. Extra charges to cover the cost of materials for work in the several laboratory courses are as follows:

Biology 1, 4, 7, 9, 10...	\$5	Chemistry 5-6.....	\$10
Biology 3, 5.....	8	Chemistry 7-8.....	15
Biology 6, 12.....	6	Physics 1-2.....	5
Chemistry 1-2.....	10	Physics 3-4.....	5
Chemistry 3-4.....	15		

The sum of one dollar and fifty cents is paid by each student at the opening of the first term toward the support of the Lecture and Entertainment Course. This entitles the student to admission to all numbers of the course throughout the year at a reduced cost. An item of one dollar and fifty

cents is placed on the second quarter's bill to cover the student's subscription to the Ursinus Weekly.

A deposit of five dollars is required of each student to defray any expenses incurred by injury to property. The unexpended balance is returned to the student when he leaves the institution.

A student who is absent from College on account of sickness, or for any other cause, and retains his place in his class, pays the College Fees stated above in full during his absence, and payment is required before the student can be admitted to examination. No remittance is allowed on account of withdrawal from the institution during a term.

In case of sickness occurring at the institution the College maintains the right to enforce quarantine and to engage the services of an attendant if necessary, but the College will not be responsible for the compensation of physicians, nurses or attendants, which compensation must be provided by the student or his parent or guardian.

ROOM AND BOARD

The charge for a furnished room in Freeland, Derr or Stine Halls is from \$148 to \$172 a year; in Olevian Hall, Shreiner Hall, Trinity Cottage or the Maples, the residences for women, from \$124 to \$178 a year. The charge in all cases, includes heat, light, and attendance. When two students occupy a room the charge is divided between them. A payment of ten dollars on account is made by a student when he engages a room, which he forfeits in case he does not occupy the same.

Each student supplies his own towels, two pairs of sheets for a single bed, a pair of pillow cases (19x34), a pair of blankets and a bed spread.

The charge for table board is \$200 a year, not including the Christmas and Easter recesses. For less than one term the charge is \$6.00 a week in advance. All students who do not take their meals in their own homes will board at the College Dining Hall.

The rates for rooms and board are subject to change in accordance with costs at the beginning of any term.

ACCOMMODATIONS FOR DAY STUDENTS

Two large downstairs rooms have been fitted up in Bomberger Hall for day students, providing comfortable accommodations including lockers.

PAYMENT OF BILLS

The bills of a student based on the foregoing charges are payable as follows:

At the opening of the term in September..	\$120.00
On or before November 30.....	115.00
On or before January 30.....	113.50
On or before March 30.....	113.50

The bills may vary from the stated amounts in certain instances according to location of rooms and laboratory charges. Credits on account of scholarships or service under the Bureau of Self-Help are allowed on the November and March bills.

Special fees and Literary Society dues of students must be paid, or their payment secured, before the Saturday preceding the Commencement on which they expect to receive their degrees.

FEES FOR INSTRUCTION IN MUSIC

Private lessons per term of fifteen weeks: piano or voice, twice a week, \$37.50; once a week, \$22.50. The charge for use of piano is \$10 a year. Violin, \$2.50 per lesson.

SCHOLARSHIPS

MUSIC SCHOLARSHIP

For the time being, the College offers a scholarship of Two Hundred Dollars to be used in assisting a student who desires to specialize in music. The scholarship may be divided between two students if in the judgment of the President and the instructors in the Department of Music, this seems advisable.

PERMANENT SCHOLARSHIPS

The College possesses twenty-six permanent scholarships of one thousand dollars each, yielding \$50 per year. Each scholarship is assigned annually to a student designated by the founder of the scholarship or by the College. The list of these scholarships is as follows:

THE GEORGE WOLFF SCHOLARSHIP, founded by the Rev. George Wolff, D.D., of Myerstown, Pa.

THE WILLIAM A. HELFFRICH SCHOLARSHIP, founded by the Rev. W. A. Helffrich, D.D., of Fogelsville, Pa.

THE NATHAN SPANGLER SCHOLARSHIP, founded by Mr. Nathan Spangler of York, Pa.

THE ANNA M. BOMBERGER SCHOLARSHIP, founded by Miss Anna M. Bomberger, with gifts amounting to \$600, and completed by Mrs. H. S. Bomberger, both of Lancaster, Pa.

THE ABRAHAM WAGNER SCHOLARSHIP, founded under the will of Mr. Abraham Wagner of the Robison Church, Berks County, Pa.

THE CARSON SCHOLARSHIP, founded under the will of Captain John Carson of Newberg, Cumberland County, Pa.

THE KELKER SCHOLARSHIP, founded by Mr. Rudolph F. Kelker of Harrisburg, Pa.

THE KEELEY SCHOLARSHIP, founded by Mr. Joseph Keeley of Spring City, Pa.

THE JOHN B. FETTERS MEMORIAL SCHOLARSHIP, founded by Mrs. Rebecca B. Feters of Uwchland, Chester County, Pa., in memory of her deceased son, who died after a week's attendance at College in September, 1885.

THE JOHN BROWNBACK MEMORIAL SCHOLARSHIP, founded by Mrs. Melinda M. Acker and Miss Mary M. Brownback of Uwchland, Chester County, Pa., in memory of their deceased father.

THE FRANKLIN W. KREMER MEMORIAL SCHOLARSHIP, founded by the Rev. F. W. Kremer, D.D., with gifts amounting to \$500, and completed by the Sunday-school of the First Reformed Church, of Lebanon, Pa., in grateful memory of his thirty-eight years' pastorate, by an endowment of \$500.

THE HENRY FRANCIS SCHOLARSHIP, founded by Mr. Henry Francis of Spring City, Pa.

THE CLEMENTINA R. STEWART SCHOLARSHIP, founded under the will of Miss Clementina R. Stewart of Myerstown, Pa.

THE J. WILLIAM BIRELEY SCHOLARSHIP, founded by Mr. J. William Bireley of Frederick City, Md.

THE JOHN B. AND HORACE A. FETTERS SCHOLARSHIP, founded under the will of Miss Mary M. Brownback of Uwchland, Chester County, Pa.

THE MARY M. BROWNBACK SCHOLARSHIP, founded under the will of Miss Mary M. Brownback of Uwchland, Chester County, Pa.

THE FRANCES KREADY SCHOLARSHIP, No. 1, founded by Miss Frances Kready of Lancaster, Pa.

THE FRANCES KREADY SCHOLARSHIP, No. 2, founded by Miss Frances Kready of Lancaster, Pa.

THE JOHN H. CONVERSE SCHOLARSHIP, founded by Mr. John H. Converse of Philadelphia.

THE FREELAND G. HOBSON SCHOLARSHIP, founded under the will of Freeland G. Hobson, LL.D., '76, of Collegeville.

THE STAUFFER MEMORIAL SCHOLARSHIP, founded in memory of Robert Ursinus and John Donald Stauffer, deceased children of the pastor, Rev. J. J. Stauffer, by gifts amounting to \$500 from the pastor and members of the Lykens Valley charge, and completed by a bequest of \$500 under the will of Mrs. Elizabeth Ritzman of Gratz, Pa.

THE FRANCIS MAGEE SCHOLARSHIP, founded by the late Francis Magee of Philadelphia.

THE HEIDELBERG SCHOLARSHIP, founded by a member of Heidelberg Reformed Church, York, Pa.

THE SAINT MARK'S SCHOLARSHIP, founded in 1918 by the members of Saint Mark's Reformed Church, Lebanon, Pa., in honor of their pastor, the Rev. I. Calvin Fisher, D.D., '89, and his wife, Eva S. Fisher, and in celebration of their twenty-fifth anniversary in the pastorate of Saint Mark's Church.

THE BAHNER SCHOLARSHIP, founded in 1919 by the members of Trinity Reformed Church, Waynesboro, Pa., in honor of the Rev. Franklin F. Bahner, D.D., '73, and his wife, Mary Ella Bahner, on their completion of forty-two years of devoted service in the pastorate of the Waynesboro charge.

THE MARTIN B. NEFF SCHOLARSHIP, founded in memory of the late Martin B. Neff, of Alexandria, Pa., and in recognition of his life-long interest in Ursinus College, out of the funds of his estate, at the instance of his sister, Miss Annie Neff.

BUREAU OF SELF-HELP

This bureau conducted under the management of officers of the College provides opportunities in which students may meet part of their expenses by serving in working positions in the institution. These positions are standardized so as to represent an amount of work not likely to overtax the physical resources of the student nor to interfere with his studies. Positions under the Bureau of Self-Help, however, always must be regarded as taking precedence over any extra-curricular student activities. A standard position, as a waitership in the dining room, yields compensation amounting to One Hundred and Fifty Dollars for the year. About forty positions, representing varying amounts and types of work, are open to students.

BUILDINGS AND EQUIPMENT

BUILDINGS

BOMBERGER MEMORIAL HALL, named for the first President of the College, is a large and imposing structure in the Romanesque style of architecture, built of Pennsylvania blue marble. In this building are the chapel and auditorium, seven commodious and well-lighted recitation rooms, a lecture and examination hall, three laboratories, the library, reading room, society halls, day studies and administration offices. It is heated with steam and lighted by electricity. The College is indebted for the building to the generosity of the late Mr. Robert Patterson, of Philadelphia, whose donations to the building fund amounted to \$32,000, and to gifts from numerous other friends.

The CLARK MEMORIAL ORGAN, erected in 1916 as the gift of Mrs. Charles Heber Clark of Conshohocken, Pa., occupies an advantageous position in the front of the chapel in Bomberger Memorial Hall. The organ is a memorial to the late Charles Heber Clark, LL.D.

FREELAND HALL, the original building of Freeland Seminary, DERR HALL, a memorial to the late Reverend Levi K. Derr, D.D., and STINE HALL, a memorial to the late Daniel Stine in grateful recognition of benefactions to the College by his daughter, Mrs. Augustus L. Kaub, constitute a fine group of buildings occupying a position in contiguous arrangement in the center of the campus. The buildings are of stone, four stories in height with a fifth story of dormer rooms. The outer surfaces have a white sand finish while the windows are fitted with green blinds. An imposing portico of masonry and concrete having four classic columns rising to the full height of the building and surmounted with a pediment of terra cotta graces the main entrance.

On the ground floors are three communicating dining rooms providing table accommodations for three hundred per-

sons. The largest of these is a memorial to Israel B. and A. Lizzie Shreiner, friends and benefactors of the college. A large, airy kitchen of entirely new structure and containing a complete equipment of new and most approved design, occupies the entire space in the rear court formed by the three buildings. By means of lateral windows and vault lights, open hearths and direct overhead ventilators, the dining rooms and kitchen are at all times well lighted and healthful. The remaining space on the ground floors provides store-rooms, and the office of the Superintendent of the Domestic Department. The kitchen is overlaid with a floor of steel and concrete, providing a fine elevated plaza as a thoroughfare of approach from the rear to all three buildings.

On the main floor of Freeland Hall are the Directors' Rooms and the Y. M. C. A. Social Rooms. The other portions of these buildings are fitted up for residential purposes. The rooms are of varying size designed for one or two occupants, a considerable number being arranged en suite. Ample lavatory, bath and toilet facilities are provided on each floor. All parts of these buildings are lighted by electricity and heated with steam.

OLEVIAN HALL, a large old-fashioned dwelling on the west campus, is one of the residences for young women. This building has all the appointments of a complete home. The rooms are large, lighted by electricity and heated with steam.

SHREINER HALL, occupying a prominent position fronting on Main Street and facing the college campus, is a large, improved and well-furnished residence hall for young women. This is a three-story brick building, comfortably and conveniently arranged for the accommodation of twenty-nine students. On the first floor are a reception room, music rooms and office of the principal. The rooms for students vary in size, but are uniformly well lighted and comfortable. The building is heated throughout with steam and provided with electric light.

TRINITY COTTAGE, acquired in 1916 as an additional hall for young women, is an attractive residence, conveniently located in Sixth Avenue, having eighteen rooms and provided with hot and cold water, steam heat and electric light. This building, with the grounds on which it is located, represents a joint benefaction to the college by Henry M. Housekeeper, an elder in Trinity Reformed Church, Philadelphia, and Abram G. Grater, an elder in Trinity Reformed Church, Norristown, Pa.

THE MAPLES is a large, gray three-story brick building, facing the campus on the south front, which has recently been leased to accommodate the increased numbers of young women students.

SPRANKLE HALL, a stone mansion on the east campus fronting on Fifth Avenue, is a large residence, three stories in height, with porches and veranda, and containing all of the conveniences of a comfortable home, provides apartments for officers and employes of the institution.

SUPERHOUSE, the attractive residence on Main Street opposite the college grounds bequeathed to the College by the late Henry W. Super, D.D., LL.D., Vice-President and Professor of Mathematics, 1870-1891, and Acting President, 1892-1893, and constituting a fitting memorial of his long and valued services to the institution, is the home of the President.

The THOMPSON ATHLETIC CAGE, erected in 1912 as a memorial to Robert W. Thompson, occupies a site on high ground adjacent to the athletic field. This is a spacious and substantial building providing facilities for all forms of indoor athletics and affording opportunities for recreation during the winter months.

The FIELD HOUSE, convenient to the cage and the athletic field, is one story in height, built of native stone, with jagged edges and heavy joints, the whole presenting a rustic effect. The house contains dressing rooms, shower baths, toilets, a heating plant and supply room.

A central heat and water plant, enlarged and newly equipped in 1919, furnishes steam heat for the principal buildings, and distributes excellent water from artesian wells to all the buildings on the premises.

A substantial stone barn, somewhat removed from the college buildings and grounds, and convenient to the fields and gardens, is the center of the agricultural, vegetable and dairy industries of the institution.

LABORATORIES

THE BIOLOGICAL LABORATORY is on the first floor of Bomberger Memorial Hall, and has a north and west exposure. The room is 30 x 40 feet in size, is well lighted and thoroughly fitted with tables, desks, cabinets, lockers, aquaria, etc. The laboratory equipment consists of twenty-seven modern compound microscopes with powers ranging up to 1000 diameters, dissecting microscopes, microtomes, projection lantern, stereopticon, camera lucida, water baths, incubator, and other such apparatus, glassware and reagents as are needed in the study of general morphology, histology and cytology of plants and animals. Additional equipment is provided from year to year.

Each student is provided with all the instruments, glassware and reagents needed; but he is held responsible for the care of these. The laboratory will accommodate thirty students at one sitting.

A considerable collection of zoölogical and botanical material, including the private collection of the late Professor P. Calvin Mensch, bequeathed to the College, is used for museum and illustration purposes. A recently formed and rapidly growing herbarium offers a fair illustration of the flora of North America.

The recent gift of Henry Croskey Allen, M.D., of Norristown, Pa., adds valuable demonstration material. This consists of a full size human manikin, a complete set of lantern slides

on human anatomy, a large number of histological and embryological microscopic slides, and a set of neurological wall-charts.

A small department library, containing zoölogical, botanical and physiological works in English, French and German, besides many pamphlets, reprints and government reports, is open to the use of students in Biology. New books are added every year.

THE PHYSICAL LABORATORY is on the second floor of Memorial Hall. Modern improvements have recently been introduced and large additions made to the equipment, so that excellent facilities are provided for experimental work in every branch of Physics. The apparatus is of modern design, and has been selected with great care from the best European and American makers. The list includes a small dynamo, Ruhmkorff coil, galvanometers with telescope and scale, ammeters and voltmeters, an electrolytic rectifier, spectrometer (Geneva Society), spectroscope (Geneva Society), polariscope, four-inch refracting telescope, and a lathe for wood and metal turning, with screw-turning attachment.

The dark room, for photographic work, 10 x 12 feet in size, is provided with running water, sinks and all necessary apparatus for making negatives and lantern slides.

THE CHEMICAL LABORATORY occupies the large downstairs compartment on the east side of Bomberger Hall where it was installed and newly equipped in 1920-21. The laboratory is well lighted and is provided with artificial ventilation by means of a powerful exhaust fan. It contains all the necessary apparatus for experimental work in general, analytical, organic and physiological chemistry. Tables are provided for the accommodation of sixty-eight students, and each table is furnished with such appliances as are necessary for gas generation and measurement, distillation and the performance of all experiments pertaining to the courses offered. A separate room for gravimetric measurement affords facilities for the most accurate work in quantitative analysis.

THE COLLEGE LIBRARY

The College Library contains about fifteen thousand volumes, selected mainly for the purpose of study, reference and thoughtful reading. The Library is open every week-day from 8.15 a. m. to 5 p. m., Sundays 2 to 4 p. m., and on appointed evenings during the week. Members of the College are allowed free access, under a few necessary limitations, to all the bookshelves. Each student is permitted to take out two volumes at a time. In addition to these privileges, special arrangements have been made which enable students to obtain books from Philadelphia libraries.

The reading room is supplied with foreign and American periodicals. The shelves contain encyclopedias, dictionaries, and other books for particular and general reference. The following newspapers and periodicals appear on the files and tables during the course of the year:

NEWSPAPERS.—The Public Ledger, The Philadelphia Record, Springfield Republican, The Allentown Morning Call, The Dearborn Independent, American Economist, Reformed Church Messenger, Reformed Church Record, Christian World, The Lutheran, Christian Work, Union Signal, and the local papers.

PERIODICALS.—The Atlantic Monthly, Scribner's Magazine, The Century Magazine, Harper's Magazine, The Bookman, The World's Work, The Contemporary Review, The Fortnightly Review, The Nineteenth Century and After, The North American Review, The Outlook, The Independent, The Nation, The Review of Reviews, The Survey, The Missionary Review, The Outlook of Missions, The Reformed Church Review, Modern Language Notes, German American Annals, Lectures Pour Tous, Daheim, Asia, Geographical Magazine, Bulletin of the Pan-American Union, The Scientific American, The American Naturalist, The Scientific Monthly, Forest Leaves, American Forestry, Farm Journal, Science, Political

Science Quarterly, The American Journal of Sociology, Philosophical Review, Mind, The Psychological Review, The Psychological Bulletin, The Journal of Philosophy, The Classical Review, The American Historical Review, The Economic Bulletin, Educational Review, School and Society, Mental Hygiene, Social Hygiene, and a number of other periodicals.

THE SUMMER SESSION

The Summer Session of Ursinus College for the year 1921 will open on Monday, June 20, at 8 o'clock a. m., and close on Friday, July 29, at 12 o'clock noon.

ADMISSION

No examination is required for admission to the college preparatory courses offered in the Summer Session. The candidate must, however, satisfy the instructor that he is fitted to do the work of a course by submitting written evidence of his preparation in the form of term reports, certificates or official letters from approved schools or instructors.

Members of Ursinus College and of other colleges are admitted to collegiate courses in the Summer Session without examination. Graduates of approved academies, high schools and normal schools are admitted without examination to all courses for which they present certificates of preparation in the form prescribed by the Faculty of Ursinus College for admission to College. Blank forms for these certificates may be had on application to the Dean of the College. Other applicants must take the entrance examinations of the departments in which they wish to work.

INSTRUCTION

The instruction in the Summer Session is given by the professors who are the heads of the departments in the College, by instructors who are regular members of the Faculty and by assistants appointed by the Faculty.

While the organization of the work is favorable to rapid progress, the ruling ideal is thoroughness. Students are required to do the same work, and are graded and ranked according to the same standards as in the regular sessions of the College.

For a complete statement of the courses offered, see the Summer Session catalogue, published separately.

CREDIT FOR WORK

Students admitted to the college courses in the Summer Session on certificate approved by the Faculty, or on examination, and who maintain a grade of A, B or C in their work will be given credit toward the degree of Bachelor of Arts or Bachelor of Science. Students who have pursued regular courses in the Summer Session and have passed the final examinations in the same, are granted certificates setting forth the work done and the grade attained.

TUITION AND FEES

Before entering the classes students must register at the Dean's office and pay their fees at the Treasurer's office. The fees are: Matriculation, \$5.00; Tuition, for a single course, \$12.00; for each additional course, \$6.00. For each laboratory course a fee of \$3.00 is charged for use of apparatus and materials.

No matriculation fee is charged to students in Ursinus College or to students who have paid the fee in a former summer session.

ROOM AND BOARD

Rooms in the College buildings, completely furnished for student residence, have been set apart for the use of summer students. The charge for a room, including light and attendance, is \$3.00 per week. When two students arrange to occupy a room together, the charge will be divided between them. Each student supplies his own towels, two pairs of sheets for a single bed, a blanket and a bedspread. Bed clothing may be rented from the College for \$2.00 for the session of six weeks.

The regulations concerning the care of college property and the conduct of students are the same as in the regular sessions of the college.

Board may be obtained at the College Dining Hall for \$7.00 per week.

The special catalogue of the Summer Session may be had on application to the Dean of the College.

SATURDAY COURSES

Instruction is offered on Saturdays for students who cannot attend the regular classes. The way is thus opened for teachers to pursue college courses. The value of college work in conjunction with teaching is recognized by many school boards, the policy being not infrequently to advance the salaries of those who in this way increase their professional fitness. By combining work in the Summer Session and Saturday courses, it is possible for teachers in service to meet the requirements for graduation in from eight to ten years. A saving of time and expense, as well as a decided educational advantage, can be effected by attending the College as a regular student during the latter part of the course.

REGISTRATION

Students contemplating Saturday work should meet at the College to select courses of study and to register on the morning of the first Saturday of the academic year (see page 3, Calendar). Studies should be chosen with reference to their necessary sequence and such grouping of students is desirable as will yield the most economical organization of classes.

Saturday students are permitted to register for not more than ten semester hour units of work in any one year. This maximum amount of work requires that at least five hours of class-work per week be carried throughout the year. For requirements for graduation, see page 54.

TUITION

A matriculation fee of five dollars is charged each Saturday student who enters the institution for the first time.

The fees for instruction vary according to the number in the class from fifty cents to one dollar an hour. No reduction is allowed on account of absence. To students who are obliged to withdraw, tuition will be remitted from the date of withdrawal. These items are payable on presentation of bills by the Treasurer at the beginning of each term.

LISTS OF STUDENTS

Abbreviations are used to designate residence halls as follows: F. H., Free-land Hall; D. H., Derr Hall; S. H., Stine Hall; Sh. H., Shreiner Hall; O. H., Olevian Hall; Sp. H., Sprankle Hall; T. C., Trinity College; Mp., The Maples.

STUDENTS IN THE COLLEGE

CLASSICAL GROUP

WILLIAM HENRY ANDERMAN.....	<i>North Wales</i>	Sp. H. Brown Preparatory School
WALTER KING BEATTIE.....	<i>Wyndmoor</i>	D. H. Brown Preparatory School
MICHAEL COOVER BILLETT.....	<i>Schwenksville</i>	Schwenksville Collegeville High School
JAMES WILLIAM BRIGHT.....	<i>Bernville</i>	D. H. Penn Township High School
RUSSELL DETWEILER CUSTER.....	<i>Cedars</i>	Cedars Franklin and Marshall Academy
EDNA FRANCES DETWEILER.....	<i>Chalfont</i>	T. C. Doylestown High School
JOHN EARL DOBBS.....	<i>Loysville</i>	D. H. Mercersburg Academy
DOBBS FREDERICK EHLMAN	<i>Ickesburg</i>	D. H. York County Academy
EDWIN NEFF FAYE, JR.....	<i>Philadelphia</i>	D. H. Williamson Trade School
ARTHUR FRETZ	<i>Reading</i>	D. H. Reading High School
LOY CLINTON GOBRECHT	<i>Hanover</i>	D. H. Pennsylvania College
NORMAN SYLVESTER GREENAWALT...	<i>McKeansburg</i>	D. H. Orwigsborg High School
BURRUSS WYCLIFFE GRIFFIN.....	<i>Chambersburg</i>	S. H. Chambersburg High School
SARAH LORAH HINKLE.....	<i>Reading</i>	Sh. H. Reading High School for Girls
EMMA ESTERLY HUYETT.....	<i>Birdsboro</i>	Mp. Schuylkill Seminary
ROBERT JAMES JOHNSTON.....	<i>Torresdale</i>	F. H. Brown Preparatory School

Ursinus College

RAY HANFORD KLINGAMAN.....	<i>Bloomsburg</i>	D. H.
	Bloomsburg State Normal School	
CAROLYN ELIZABETH KLINGLER....	<i>Shoemakersville</i>	Sh. H.
	Muhlenberg College	
ARTHUR LEEMING.....	<i>Wyndmoor</i>	D. H.
	Brown Preparatory School	
EDWIN WARNER LENTZ, JR.....	<i>Bangor</i>	D. H.
	Bangor High School	
LEWIS HARRISON LUDWIG.....	<i>Ironbridge</i>	Ironbridge
	Collegeville High School	
OLIVER KIRK MAURER.....	<i>Hatboro</i>	D. H.
	Perkiomen School	
IRVIN ELLIS NEUROTH.....	<i>Chambersburg</i>	D. H.
	Chambersburg High School	
ANNA NAOMI ROEDER.....	<i>East Greenville</i> ...	East Greenville
	Perkiomen School	
FRANCIS CHRISTOPHER SCHLATER....	<i>Broad Axe</i>	D. H.
	Perkiomen School	
FREDERICK NELSEN SCHLEGEL.....	<i>Tamaqua</i>	D. H.
	Tamaqua High School	
WILLIAM ROAT SHAFFER.....	<i>Philadelphia</i>	S. H.
	Northeast High School	
FRANKLIN IRVIN SHEEDER, JR.....	<i>Spring City</i>	D. H.
	Spring City High School	
HOWARD EMANUEL SHEELY.....	<i>York</i>	D. H.
	York High School	
CHARLES UNDERKOFFLER SHELLENBERGER..	<i>Pennsburg</i>	D. H.
	Perkiomen School	
WEBSTER SCHULTZ STOVER.....	<i>Nazareth</i>	D. H.
	Nazareth High School	
CHARLES HERBERT WELLER.....	<i>Pottstown</i>	D. H.
	Temple University	
HARRY CLAYTON WILDASIN.....	<i>Littlestown</i>	F. H.
	Littlestown High School	
WILLIAM OELSCHLAGER WOLFORD...	<i>Salfordville</i>	Salfordville
	Perkiomen School	
ETHELBERT BRETNEY YOST.....	<i>Collegeville</i>	Collegeville
	Collegeville High School	

MATHEMATICAL GROUP

GEORGE THEODORE ARMS, JR.....	<i>Pottstown</i>	F. H.
Pottstown High School		
SIEGFRIED CYRIACUS BADEN.....	<i>Collegeville</i>	Collegeville
Collegeville High School		
HELEN MAE BOYER.....	<i>Aquashicola</i>	Mp.
East Stroudsburg State Normal School		
FRANCIS JULIUS CLAMER.....	<i>Collegeville</i>	Collegeville
Collegeville High School		
MAHLON WESLEY DETWILER.....	<i>Providence Sq.</i>	Providence Sq.
Norristown High School		
EDITH REBECCA FETTERS.....	<i>West Chester</i>	O. H.
West Chester High School		
ETHEL ADELINE FOX.....	<i>Parkerford</i>	O. H.
Spring City High School		
ELLWOOD KISWELLE GILBERT.....	<i>Haddonfield, N. J.</i>	F. H.
Swarthmore College Summer School		
HENRY COSTELLE GOTSHALK.....	<i>Trenton, N. J.</i>	D. H.
Trenton High School		
HESTER MILDRED HEILMAN.....	<i>York</i>	Sh. H.
York High School		
CATHERINE ELIZABETH HEINDEL.....	<i>York</i>	Sh. H.
York High School		
MARY LOUISE HINKLE.....	<i>Reading</i>	Sh. H.
Reading High School for Girls		
HENRY SOLOMON KAUFFMAN.....	<i>York</i>	F. H.
York High School		
GEORGE PANNEBECKER KEHL.....	<i>Carlisle</i>	D. H.
Keystone State Normal School		
MARY AGNES KIRKPATRICK.....	<i>Conshohocken</i>	Sh. H.
Conshohocken High School		
FORREST LESTER LENKER.....	<i>Elizabethville</i>	F. H.
Millersburg High School		
MARGARET ANN MCCAVERY.....	<i>Phoenixville</i>	Mp.
Phoenixville High School		
FRED WILLIAM MERGENTHALER.....	<i>Collegeville</i>	Collegeville
Collegeville High School		
WALTER JOSEPH PECA.....	<i>Philadelphia</i>	F. H.
South Philadelphia High School		
MABEL SCHAEFFER ROTHERMEL.....	<i>Fleetwood</i>	Sh. H.
Fleetwood High School		

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BEULAH ALLEBACH SCHOLL.....	<i>Green Lane</i>	Sh. H.
	West Chester State Normal School	
JOHN FREDERICK WILLIAM STOCK...	<i>Philadelphia</i>	S. H.
	Northeast High School	
JOHN WESLEY WALDRON.....	<i>Philadelphia</i>	F. H.
	South Philadelphia High School	

CHEMICAL-BIOLOGICAL GROUP

DORIS ELIZABETH ALLEN.....	<i>Haddonfield, N. J.</i>	T. C.
	Haddonfield High School	
HARRY ALBERT ALTENDERFER, JR..	<i>Robesonia</i>	F. H.
	Bethlehem Preparatory School	
BENJAMIN FRANKLIN ARNOLD.....	<i>York, R. D. 2.</i>	S. H.
	York County Academy	
PAUL WESLEY BARE.....	<i>Philadelphia</i>	F. H.
	Frankford High School	
WARREN FLACK BIETSCH.....	<i>Chambersburg</i>	S. H.
	Chambersburg High School	
FRANKLIN CHURCH BING.....	<i>Philadelphia</i>	F. H.
	Frankford High School	
EVELYN A. M. BOND.....	<i>Collegeville</i>	Collegeville
	Pennsylvania State College	
ERMA REBEKAH BOYD.....	<i>Philadelphia</i>	O. H.
	Germantown High School	
JOHN HAROLD BROWNBACK.....	<i>Trappe</i>	Trappe
	Collegeville High School	
EARL TOMLIN CORNWELL.....	<i>Bridgeton, N. J.</i>	F. H.
	Franklin and Marshall College	
RUTH ELIZABETH FOSBINDER.....	<i>Bangor</i>	T. C.
	Easton Academy	
FREDERICK PAXSON FRUTCHEY.....	<i>Bangor</i>	S. H.
	Bangor High School	
ALLEN GLASS.....	<i>Freeburg</i>	F. H.
	Freeburg High School	
WILLIAM MCKINLEY GREIMAN....	<i>York</i>	S. H.
	York High School	
DOROTHY SYBIL HARDING.....	<i>Trappe</i>	Trappe
	Collegeville High School	
RUTH MILDRED HEBSACKER.....	<i>Philadelphia</i>	Sh. H.
	Goucher College	

Lists of Students

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RUTH HESPENHEIDE.....	<i>York</i>	Mp.
	York High School	
EDGAR KARL HOUCK.....	<i>Reading</i>	D. H.
	Reading High School	
SUSANNE HOLLIS KELLEY.....	<i>Pottstown</i>	T. C.
	Pottstown High School	
RUSSELL CHRISTIAN KENGLE.....	<i>McKeesport</i>	S. H.
	McKeesport High School	
CLAUDE HARRINGTON KERSHNER....	<i>Orwigsburg</i>	F. H.
	Tamaqua High School	
JOHN HAROLD KIRSCHNER, JR.....	<i>Hazleton</i>	F. H.
	Hazleton High School	
JOHN BENNEVILLE KLOPP.....	<i>Sanatoga</i>	F. H.
	Pottstown High School	
DANIEL BICKEL KULP.....	<i>Pottstown</i>	F. H.
	Pottstown High School	
CLAIRE FRANCES LAVELLE.....	<i>Phoenixville, R. D. 4</i>	Mp.
	Phoenixville High School	
DAVID ARNOLD LAVESON.....	<i>Yonkers, N. Y.</i>	F. H.
	Dwight School	
CLAIRE PALSGROVE LAWRENCE.....	<i>Minersville</i>	Mp.
	Minersville High School	
CHARLES EARL LINCK.....	<i>Berwyn</i>	D. H.
	Tredyffrin-Easttown High School	
LLOYD GILBERT LITTLE.....	<i>Schwenksville, R. D. 2</i>	D. H.
	Schwenksville High School	
DANIEL LUDWIG.....	<i>Ironbridge</i>	Ironbridge
	Collegeville High School	
EARL KOLB MILLER.....	<i>Trenton, N. J.</i>	S. H.
	Peddie Institute	
WILLARD MAHLON MILLER.....	<i>Gilbert</i>	F. H.
	Polytechnic Institute	
HOWARD HOMER MOWCOMBER.....	<i>Elkland</i>	D. H.
	Indiana State Normal School	
JOSEPH STANLEY REIFSNEIDER.....	<i>Pottstown</i>	F. H.
	Pottstown High School	
ROBERT PAUL RENSCH.....	<i>Chambersburg</i>	S. H.
	Chambersburg High School	
ALVIN SWEISFORD RICHARDS.....	<i>Zieglerville</i>	Zieglerville
	Perkiomen School	
SARA WAGER SCHEETZ.....	<i>Jeffersonville</i>	Jeffersonville
	Norristown High School	

Ursinus College

JOSEPH HAROLD SEIBERT.....	<i>Clearspring, Md.</i>	S. H.
	Clearspring High School	
JAMES FRANKLIN SELLERS.....	<i>Greencastle, R. D. 3</i>	S. H.
	Greencastle High School	
HELEN MARIE SHULER.....	<i>Trappe</i>	Trappe
	Collegeville High School	
JANE HUNTER SNEYD.....	<i>Philadelphia</i>	Sh. H.
	Philadelphia High School for Girls	
PAUL WINSTON STAPLES.....	<i>Easton</i>	F. H.
	Easton High School	
JOHN WESLEY TOMLINSON.....	<i>Thorndale</i>	S. H.
	Quarryville High School	
WESLEY RUSSELL UPDIKE.....	<i>Trenton, N. J.</i>	D. H.
	St. Stephen's College	
MOLLY VINE.....	<i>Trenton, N. J.</i>	T. C.
	Trenton High School	
ELMER ELIAS VOSBURG, JR.....	<i>Pittston, R. D. 1</i>	S. H.
	Mansfield State Normal School	
ELLEN HART WALKER.....	<i>Norristown</i>	O. H.
	Norristown High School	
JOHN LESLIE WIKOFF.....	<i>Trenton, N. J.</i>	D. H.
	Trenton High School	
DOROTHY EVELYN WILLIAMS.....	<i>Perkasie</i>	T. C.
	Perkasie High School	
THELMA RITTENHOUSE WOOD.....	<i>Norristown</i>	Sh. H.
	Norristown High School	
MARION JOSEPHINE XANDER.....	<i>Philadelphia</i>	T. C.
	William Penn High School	
MILLICENT ZIMMERMAN XANDER...	<i>Philadelphia</i>	T. C.
	South Philadelphia High School	

HISTORICAL-POLITICAL GROUP

WILLIAM ROBERT BAKER.....	<i>Stowe</i>	F. H.
	Bucknell University	
MALVERN CRISP BUCHANAN.....	<i>Norwood</i>	S. H.
	Ridley Park High School	
ALEXANDER GWIN CANAN.....	<i>Philadelphia</i>	F. H.
	Brown Preparatory School	
MEADE CAUFFIEL.....	<i>Johnstown</i>	D. H.
	Johnstown High School	

ERIC ALFRED CORKHILL.....	<i>Devon</i>	D. H.
	Tredyffrin-Easttown High School	
ALLEN EUGENE DEAL.....	<i>White Haven</i>	D. H.
	White Haven High School	
EVAN LELAND DEIBLER.....	<i>Elizabethville</i>	S. H.
	Millersburg High School	
RICHARD FEISER DEITZ.....	<i>York</i>	S. H.
	York High School	
NATHANIEL SIMMERS DETWILER....	<i>Spring City</i>	F. H.
	Spring City High School	
DAVID STANLEY ERB, JR.....	<i>Boyertown</i>	S. H.
	Boyertown High School	
SYLVAN MAXWELL FLITTER.....	<i>Philadelphia</i>	F. H.
	Frankford High School	
NORMAN BERLIN GREGORY.....	<i>Kresgeville</i>	S. H.
	Franklin and Marshall College	
RAYMOND MAURICE HEDRICK.....	<i>Phoenixville, R. D. 1</i> ...Phoenixville	
	Phoenixville High School	
DONALD LAWRENCE HELFFRICH.....	<i>Bath</i>	S. H.
	Mercersburg Academy	
JOSEPH HARLEY HUNTER.....	<i>Spring City</i>	S. H.
	Spring City High School	
PAUL HEFFNER ISENBURG.....	<i>Philadelphia</i>	S. H.
	Mercersburg Academy	
EUGENE BACHMAN MICHAEL.....	<i>Philadelphia</i>	S. H.
	Northeast High School	
CHARLES HERBERT MILLER.....	<i>Collegeville</i>	Collegeville
	Collegeville High School	
WILLIAM KINDIG MILLER.....	<i>Silverdale</i>	D. H.
	Perkiomen School	
CLYDE ANSON MOSER.....	<i>Conshohocken</i>	S. H.
	Conshohocken High School	
JOHN GARWOOD NEWITT.....	<i>Norristown</i>	Norristown
	Norristown High School	
CLARENCE ANDREW PAINE.....	<i>Lebanon</i>	S. H.
	Lebanon High School	
RAYMOND EGGELING PRIZER.....	<i>Pottstown, R. D. 2</i>	D. H.
	Pottstown High School	
MELVIN TRUMBORE RAHN.....	<i>Sumneytown</i>	S. H.
	Collegeville High School	
WILLIAM DANIEL REIMERT.....	<i>Allentown</i>	F. H.
	Mercersburg Academy	

CARROLL LENNOX RUTTER.....	<i>Pottstown</i>	F. H.
	Pottstown High School	
CLYDE LLEWELLYN SCHWARTZ.....	<i>Littlestown</i>	S. H.
	Littlestown High School	
FORRY WOODWARD STAUFFER.....	<i>York</i>	D. H.
	York High School	
DAVID SOLES TYSON.....	<i>McKeesport</i>	S. H.
	McKeesport High School	
ABRAM RANDAL ZENDT.....	<i>Souderton</i>	D. H.
	Souderton High School	

ENGLISH-HISTORICAL GROUP

HELEN ALBERTA ACHENBACH.....	<i>Bangor</i>	Sh. H.
	Bangor High School	
FRIEDA SCHOLL ASH.....	<i>Phoenixville</i>	O. H.
	Phoenixville High School	
CORDELIA BROMER BECHTEL.....	<i>Schwenksville</i>	Schwenksville
	Schwenksville High School	
MARGARET FRANCES BOOKMAN.....	<i>York</i>	O. H.
	York High School	
RUTH PAULINE DEIBERT.....	<i>Gilbert</i>	T. C.
	Polytechnic Institute	
SARA EMMA DEITZ.....	<i>York</i>	O. H.
	York High School	
ROBERT LYMAN FARLEY.....	<i>Norristown</i>	S. H.
	Norristown High School	
FLORENCE ELIZABETH FEGELY.....	<i>Trappe</i>	Trappe
	Collegeville High School	
HERBERT DAMBLY FRANK.....	<i>Pennsburg</i>	Collegeville
	Perkiomen School	
MARGARET EMMA FRUTCHEY.....	<i>Bangor</i>	S. H.
	Bangor High School	
MARY DEISHER GOOD.....	<i>York</i>	O. H.
	York High School	
MARY KATHRYN GROFF.....	<i>Royersford, R. D.</i>	Royersford
	Pottstown High School	
MARY ELIZABETH GROSS.....	<i>Malvern</i>	O. H.
	Tredyffrin-Easttown High School	
CHARLES JETHRO HAAS.....	<i>Roxborough</i>	Roxborough
	Rutgers College	
ANGELINE YERGER HENRICKS.....	<i>Pottstown</i>	T. C.
	Pottstown High School	

Lists of Students

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MARY JANE HERSHBERGER.....	<i>Roebbling</i>	O. H.
Lebanon High School		
MARGARET HOCKER.....	<i>Germantown</i>	Collegeville
Germantown High School		
ANNA FRANCES HOOVER.....	<i>Eureka</i>	T. C.
Doylestown High School		
HERBERT RICHARD HOWELLS.....	<i>Philadelphia</i>	S. H.
Chester High School		
LINDA GRACE HOYER.....	<i>Geigers Mills</i>	Sh. H.
Keystone State Normal School		
ESTHER IRENE HUGHES.....	<i>Slatington</i>	Sh. H.
Slatington High School		
HELEN FRANCES ISENBERG.....	<i>Philadelphia</i>	Sh. H.
Philadelphia High School for Girls		
LILLIAN MARIE ISENBERG.....	<i>Philadelphia</i>	Sh. H.
Philadelphia High School for Girls		
IRENE REBECCA JONES.....	<i>Slatington</i>	Sh. H.
Slatington High School		
MYRTLE VIOLA KEIM.....	<i>Phoenixville</i>	Mp.
Phoenixville High School		
BLANCHE JOSEPHINE KRATZ.....	<i>Collegeville</i>	Collegeville
Collegeville High School		
BEATRICE ANGELINE LATSHAW.....	<i>Royersford</i>	Sh. H.
Swarthmore College		
GLADYS BARBARA LIGHT.....	<i>Lebanon</i>	T. C.
Lebanon High School		
CAROLINE BARTON McBLAIN.....	<i>York</i>	T. C.
North York High School		
DOROTHY ADELE MENTZER.....	<i>Lebanon</i>	Sh. H.
Lebanon High School		
JENNIE ELIZABETH MOCKFORD.....	<i>Pottstown</i>	T. C.
Pottstown High School		
MARY MARGUERITE MOYER.....	<i>Souderton</i>	O. H.
Souderton High School		
MIRIAM BUCKWALTER MOYER.....	<i>Trappe</i>	Trappe
Collegeville High School		
REBA ELMIRA MUSCHLITZ.....	<i>Slatington</i>	Sh. H.
Slatington High School		
AILEEN LOUISE NEFF.....	<i>Slatington</i>	Sh. H.
Slatington High School		
HELEN MARGARET REIMER.....	<i>Flicksville</i>	O. H.
Bangor High School		

Ursinus College

MARGARET LILLIAN RICHARDS.....	<i>Royersford</i>	T. C.
	Royersford High School	
MAZIE GLADYS RICHMAN.....	<i>Salem, N. J.</i>	O. H.
	Salem High School	
BEATRICE CORSON SHREVE.....	<i>Glassboro, N. J.</i>	O. H.
	Glassboro High School	
MARIAN ELIZABETH SLOTTNER.....	<i>Collegeville</i>	Collegeville
	Collegeville High School	
RUTH ELINOR SNYDER.....	<i>Lebanon</i>	Sh. H.
	Lebanon High School	
WILLIAM HARRY SNYDER.....	<i>Harrisburg</i>	F. H.
	Harrisburg Academy	
GRACE WELLA TROUT.....	<i>Pottstown</i>	Mp.
	Pottstown High School	
ANNA ADELAIDE TYLER.....	<i>Haddonfield, N. J.</i>	Sh. H.
	Friends' Central School	
EDWIN THOMAS UNDERCUFFLER....	<i>Red Hill</i>	D. H.
	West Chester State Normal School	
KATHERINE ZERFOSS.....	<i>Clearfield</i>	O. H.
	University of Pittsburgh	

MODERN LANGUAGE GROUP

EUGENIA AMANDA BERGER.....	<i>Schuylkill Haven</i>	Mp.
	Temple University	
ELIZABETH CATHERINE CLAPHAM...	<i>Brooklyn, N. Y.</i>	O. H.
	Irving College	
HELEN FAHRINGER	<i>Pottstown</i>	Sh. H.
	Pottstown High School	
ELEANOR A. G. GREENOVER.....	<i>Phoenixville, R. D. 1</i>	O. H.
	Phoenixville High School	
HELEN ELIZABETH GRONINGER.....	<i>Temple</i>	O. H.
	Girls High School of Reading	
DOROTHEA LOUISE HAELIG.....	<i>Bound Brook, N. J.</i>	Sh. H.
	Bound Brook High School	
RUTH IRENE HASSLER.....	<i>Wernersville</i>	Mp.
	Keystone State Normal School	
LOLA HARRIET HUTTEL.....	<i>Collegeville</i>	Collegeville
	Collegeville High School	
LOUISE MAE KUNKEL.....	<i>Trexler</i>	T. C.
	Perkiomen School	

Lists of Students

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DOROTHY KAYLOR McKEE.....	<i>Oaks</i>	<i>Oaks</i>
	Phoenixville High School	
MARGARET MURRAY MILLS.....	<i>Haddonfield, N. J.</i>	<i>Mp.</i>
	Haddonfield High School	
MILDRED HESS MITMAN.....	<i>Easton</i>	<i>Sh. H.</i>
	Easton High School	
SARA STITELER MOSTELLER.....	<i>West Chester</i>	<i>Mp.</i>
	Phoenixville High School	
MAE SMITH MOYER.....	<i>Phoenixville, R. D. 1.</i> ..	<i>Phoenixville</i>
	Collegeville High School	
ELIZABETH WEIKEL POLEY.....	<i>Royersford</i>	<i>Sh. H.</i>
	Royersford High School	
LEON CHARLES SAUNDERS.....	<i>Pulaski, N. Y.</i>	<i>F. H.</i>
	Syracuse University	
ESTHER G. SHIREY.....	<i>Lebanon</i>	<i>Sh. H.</i>
	Lebanon High School	
MARGARET AMELIA YOST.....	<i>Collegeville</i>	<i>Collegeville</i>
	Collegeville High School	

STUDENTS IN THE SUMMER SESSION

GEORGE THEODORE ARMS, JR.....	<i>Pottstown</i>	F. H. English.
EUGENIA AMANDA BERGER.....	<i>Schuylkill Haven</i>	T. C. Mathematics, Spanish.
LOTTIE FULMER BOWDEN.....	<i>Oaks</i>	Oaks Spanish, Psychology.
ARTHUR OLIVER BOYD.....	<i>Manheim</i>	F. H. Latin, English.
ANNA MAUDE BROMER.....	<i>Schwenksville</i>	Schwenksville French.
JAMES HARWOOD CLOSSON, 3D.....	<i>Germantown</i>	F. H. English.
MARIETTE BERTRAM DIMON.....	<i>Philadelphia</i>	T. C. Music.
REBECCA J. FISHER.....	<i>Richland</i>	T. C. Philosophy, Ethics.
ETHEL ADELINE FOX.....	<i>Parkerford</i>	T. C. Latin, French.
MARTHA ALICE GREBE.....	<i>Royersford</i>	Royersford Mathematics.
NORMAN BERLIN GREGORY.....	<i>Kresgeville</i>	F. H. Spanish, French.
THORNE SANFORD HARRIS.....	<i>Ringtown</i>	F. H. Latin, Economics.
RUTH IRENE HASSLER.....	<i>Wernersville</i>	T. C. Ethics, Economics, French.
ERNEST ANDREW HEEBNER.....	<i>Norristown, R. D. 2...</i>	Norristown Spanish, English.
EDWIN S. HELLER.....	<i>Dorranceton</i>	F. H. Latin, Spanish.
NORMAN HOAG.....	<i>Nescopeck</i>	F. H. Philosophy, Spanish.
MYRTLE EVANGELINE HOWELLS.....	<i>Philadelphia</i>	Trappe Music.
MYRTLE VIOLA KEIM.....	<i>Phoenixville</i>	T. C. Spanish, History.
MARGARET REGINA KLAUSE.....	<i>Philadelphia</i>	T. C. Music.

JOHN NORMAN KLEIN.....	<i>Reading</i>	F. H.
Mathematics.		
PHILIP JACOB KLINE.....	<i>Tamanend</i>	F. H.
Latin, English.		
CAROLYN ELIZABETH KLINGER.....	<i>Shoemakersville</i>	T. C.
Ethics, Economics, French.		
CHRISTINE LAUGHAIN LATSHAW.....	<i>Royersford</i>	Royersford
History.		
DAVID ARNOLD LAVESON.....	<i>Yonkers, N. Y.</i>	F. H.
Mathematics, Economics.		
MARGARET EVELYN MARKLEY.....	<i>Fairview Village</i>	Fairview Village
Ethics, English.		
MARGARET ANN MCCAVERY.....	<i>Phoenixville</i>	T. C.
Mathematics, French.		
WALTER WADE MININGER.....	<i>Germantown</i>	F. H.
History, English.		
FRIEDA RAMBO.....	<i>Arcola</i>	Arcola
Music.		
CLARISSA DOTTERER RITTER.....	<i>Boyertown</i>	T. C.
Mathematics, French.		
QUINCY A. W. ROHRBACH.....	<i>Ringtown</i>	F. H.
Latin, English.		
EMILIE ROLAND.....	<i>Norristown</i>	Norristown
Music.		
LEON CHARLES SAUNDERS.....	<i>Pulaski, N. Y.</i>	F. H.
Spanish, French.		
FRANCIS CHRISTOPHER SCHLATER....	<i>Broad Axe</i>	F. H.
French, English.		
BEULAH ALLEBACH SCHOLL.....	<i>Green Lane</i>	Green Lane
Latin, English.		
PERRY L. SMITH.....	<i>Kunkletown</i>	F. H.
Latin.		
ROSA HERR SNAVELY.....	<i>Manheim</i>	T. C.
Spanish, Mathematics.		
GERTRUDE KULP STURGES.....	<i>Trappe</i>	Trappe
Music.		
NORMAN T. TYSON.....	<i>Schwenksville</i>	Schwenksville
French, Mathematics.		
EDWIN THOMAS UNDERCUFFLER....	<i>Red Hill</i>	Red Hill
Spanish, Mathematics.		

SALOME G. WAGNER.....	<i>Parkerford</i>	Parkerford Music.
PHOEBE POWNALL WEBB.....	<i>Collegeville</i>	Sp. H. Ethics.
JOSEPH HOWARD WEISEL.....	<i>Perkasie</i>	F. H. English, French.
CHARLES HERBERT WELLER.....	<i>Pottstown</i>	Pottstown Latin.
HARRY CLAYTON WILDASIN.....	<i>Littlestown</i>	F. H. Latin, Mathematics.
AQUILLUS LEVAN ZECHMAN.....	<i>Sinking Spring</i>	F. H. Latin, Ethics.

STUDENTS IN MUSIC

Pursuing College Courses

ALLEN EUGENE DEAL.....	<i>White Haven</i>	D. H.
RUTH PAULINE DEIBERT.....	<i>Gilbert</i>	T. C.
JOHN EARN DOBBS.....	<i>Loysville</i>	D. H.
DOBBS FREDERICK EHLMAN.....	<i>Ickesburg</i>	D. H.
RUTH ELIZABETH FOSBINDER.....	<i>Bangor</i>	T. C.
HELEN ELIZABETH GRONINGER.....	<i>Temple</i>	O. H.
CHARLES JETHRO HAAS.....	<i>Roxborough</i>	Roxborough
HESTER MILDRED HEILMAN.....	<i>York</i>	Sh. H.
MARY LOUISE HINKLE.....	<i>Reading</i>	Sh. H.
ANNA FRANCES HOOVER.....	<i>Eureka</i>	T. C.
ROBERT JAMES JOHNSTON.....	<i>Torresdale</i>	F. H.
DOROTHY ADELE MENTZER.....	<i>Lebanon</i>	Sh. H.
IRVIN ELLIS NEUROTH.....	<i>Chambersburg</i>	D. H.
RUTH ELINOR SNYDER.....	<i>Lebanon</i>	Sh. H.
JOHN FREDERICK WILLIAM STOCK..	<i>Philadelphia</i>	S. H.
GRACE WELLA TROUT.....	<i>Pottstown</i>	Mp.
MARGARET AMELIA YOST.....	<i>Collegeville</i>	Collegeville

Receiving Private Instruction Only

WILLIAM ROBERT BAKER.....	<i>Stowe</i>	F. H.
ORPHA REISS BECHTEL.....	<i>Royersford, R. D.</i>	Royersford
ALICE BOND.....	<i>Collegeville, R. D.</i>	Collegeville
HELEN MAE BOYER.....	<i>Aquashicola</i>	Mp.
ELIZABETH CATHERINE CLAPHAM...	<i>Brooklyn, N. Y.</i>	O. H.
GILBERT ALFRED DEITZ.....	<i>York</i>	S. H.
EDNA FRANCES DETWEILER.....	<i>Chalfont</i>	T. C.
DONALD TRUMAN EBERT.....	<i>Collegeville</i>	Collegeville
HELEN FAHRINGER.....	<i>Pottstown</i>	Sh. H.
FLORENCE ELIZABETH FEGELY.....	<i>Trappe</i>	Trappe
ARTHUR FRETZ.....	<i>Reading</i>	D. H.
MARGARET EMMA FRUTCHEY.....	<i>Bangor</i>	Sh. H.
NORMAN SYLVESTER GREENAWALT..	<i>McKeansburg</i>	D. H.
ELEANOR A. G. GREENOVER.....	<i>Phoenixville, R. D.</i>	O. H.
ALICE HELENA HARDING.....	<i>Trappe</i>	Trappe
MARIE HARDING.....	<i>Trappe</i>	Trappe
ESTHER HEDRICK.....	<i>Phoenixville, R. D.</i>	Phoenixville
CATHERINE ELIZABETH HEINDEL...	<i>York</i>	Sh. H.
ANGELINE YERGER HENRICKS.....	<i>Pottstown</i>	T. C.

MARY JANE HERSHBERGER.....	<i>Roebling, N. J.</i>	O. H.
SARAH LORAH HINKLE.....	<i>Reading</i>	Sh. H.
HERBERT RICHARD HOWELLS.....	<i>Philadelphia</i>	S. H.
LINDA GRACE HOYER.....	<i>Geigers Mills</i>	Sh. H.
MIRIAM LANE.....	<i>Collegeville</i>	Collegeville
MARGARET MURRAY MILLS.....	<i>Haddonfield, N. J.</i>	Mp.
MILDRED HESS MITMAN.....	<i>Easton</i>	Sh. H.
SARA STICKELER MOSTELLER.....	<i>West Chester</i>	Mp.
MARY MARGUERITE MOYER.....	<i>Souderton</i>	O. H.
REBA ELMIRA MUSCHLITZ.....	<i>Slatington</i>	Sh. H.
EVELINE BEAVER OMWAKE.....	<i>Collegeville</i>	Superhouse
STANLEY OMWAKE.....	<i>Collegeville</i>	Superhouse
MILLCENT PEARSE.....	<i>Norristown, R. D.</i>	Norristown
CLAYTON REGAR.....	<i>Collegeville</i>	Collegeville
HELEN MARGARET REIMER.....	<i>Flicksville</i>	O. H.
FRANCIS CHRISTOPHER SCHLATER....	<i>Broad Axe</i>	D. H.
BEULAH ALLEBACH SCHOLL.....	<i>Green Lane</i>	Sh. H.
KATHARINE SEIVERLING.....	<i>Collegeville</i>	Collegeville
CHARLES UNDERKOFFLER SHELLENBERGER..	<i>Pennsburg</i>	D. H.
ESTHER G. SHIREY.....	<i>Lebanon</i>	Sh. H.
JEANNE STEVENS	<i>Royersford, R. D.</i>	Royersford
EMMA POWELL TOWER.....	<i>Collegeville</i>	T. C.
KATHARINE BISBEE TOWER.....	<i>Collegeville</i>	T. C.
DAVID SOLES TYSON.....	<i>McKeesport</i>	S. H.
CHARLES HERBERT WELLER.....	<i>Pottstown</i>	D. H.
ISAIAH K. WISMER.....	<i>Gratersford</i>	Gratersford
MARION JOSEPHINE XANDER.....	<i>Philadelphia</i>	T. C.
MILLCENT ZIMMERMAN XANDER....	<i>Philadelphia</i>	T. C.

GENERAL SUMMARY, 1920-1921

STUDENTS IN THE COLLEGE

Classical Group	35
Mathematical Group	23
Chemical-Biological Group	52
Historical-Political Group	30
English-Historical Group	46
Modern Language Group	18
	— 204

STUDENTS IN THE SUMMER SESSION..... 45

STUDENTS IN MUSIC

— 313

Deduct for names repeated..... 61

Total 252

DIRECTORY OF STUDENTS

The italic letters set opposite the name indicate the group or department to which the student belongs; *Cl.*, Classical group; *M.*, Mathematical group; *C-B.*, Chemical-Biological group; *H-P.*, Historical-Political group; *E-H.*, English-Historical group; *ML.*, Modern Language group; *S.S.*, Summer Session; *Mu.*, Music Department; *Sat.*, means enrolled in Saturday courses; *Sp.*, Special Student; *Pre-Med.*, Pre-Medical Student.

The numbers 1, 2, 3 and 4 preceding these letters indicate the First, Second, Third and Fourth years respectively in College.

The final letter A indicates that the student is a candidate for the degree of Bachelor of Arts; the final letter S indicates that the student is a candidate for the degree of Bachelor of Science.

Achenbach, H. A., 2 <i>E-H</i>.....A	Cornwell, E. T., 1 <i>C-B</i>.....S
Allen, D. E., 3 <i>C-B</i>.....A	Custer, R. D., 3 <i>Cl</i>.....A
Altenderfer, H. A., Jr., 3 <i>C-B</i>.....A	Deal, A. E., 1 <i>H-P</i> , <i>Mu</i>.....S
Anderman, W. H., 1 <i>Cl</i>.....A	Deibert, R. P., 1 <i>E-H</i> , <i>Mu</i>.....A
Arms, G. T., Jr., 3 <i>M</i> , <i>S</i>.....S	Deibler, E. L., 3 <i>H-P</i>.....A
Arnold, B. F., 1 <i>C-B</i> , <i>Pre-Med</i> .	Deitz, R. F., 1 <i>H-P</i>.....S
Ash, F. S., 3 <i>E-H</i>.....S	Deitz, S. E., 2 <i>E-H</i> , <i>Sp</i> .
Baden, S. C., 2 <i>M</i>.....S	Detweiler, E. F., 1 <i>Cl</i>.....A
Baker, W. R., 1 <i>H-P</i> , <i>Mu</i>.....S	Detwiler, M. W., 3 <i>M</i>.....S
Bare, P. W., 1 <i>C-B</i> , <i>Pre-Med</i> .	Detwiler, N. S., 3 <i>H-P</i>.....A
Beattie, W. K., 2 <i>Cl</i>.....A	Dimon, M. B., <i>S</i> <i>S</i> .
Bechtel, C. B., 3 <i>E-H</i>.....A	Dobbs, J. E., 2 <i>Cl</i> , <i>Mu</i>.....A
Berger, E. A., 3 <i>M-L</i> , <i>S</i> <i>S</i>.....S	Ehlman, D. F., 2 <i>Cl</i> , <i>Mu</i>.....A
Bietsch, W. F., 1 <i>C-B</i>.....S	Erb, D. S., Jr., 2 <i>H-P</i>.....S
Billett, M. C., 2 <i>Cl</i>.....A	Fahringer, H., 4 <i>M-L</i> , <i>Mu</i>.....A
Bing, F. C., 1 <i>C-B</i>.....S	Farley, R. L., 3 <i>E-H</i>.....A
Bond, E. A. M., 1 <i>C-B</i> , <i>Sp</i> .	Faye, E. N., Jr., 2 <i>Cl</i> , <i>Sp</i> .
Bookman, M. F., 3 <i>E-H</i>.....S	Fegely, F. E., 2 <i>E-H</i> , <i>Mu</i>.....A
Bowden, L. F., 2 <i>M</i> , <i>S</i> <i>S</i> .	Fetters, E. R., 1 <i>M</i>.....A
Boyd, A. O., <i>S</i> <i>S</i> .	Fisher, R. J., <i>S</i> <i>S</i> .
Boyd, E. R., 2 <i>C-B</i>.....A	Flitter, S. M., 1 <i>H-P</i>.....S
Boyer, H. M., 2 <i>M</i> , <i>Mu</i>.....A	Fosbinder, R. E., 1 <i>C-B</i> , <i>Mu</i> , <i>Sp</i> .
Bright, J. W., 3 <i>Cl</i>.....A	Fox, E. A., 1 <i>M</i> , <i>S</i> <i>S</i>.....A
Bromer, A. M., <i>S</i> <i>S</i> .	Frank, H. D., 2 <i>E-H</i> , <i>Sp</i> .
Brownback, J. H., 4 <i>C-B</i>.....A	Fretz, A., 2 <i>Cl</i> , <i>Mu</i>.....A
Buchanan, M. C., 1 <i>H-P</i> , <i>Sp</i> .	Frutchey, F. P., 3 <i>C-B</i>.....A
Canan, A. G., 3 <i>H-P</i>.....S	Frutchey, M. E., 2 <i>E-H</i> , <i>Mu</i>.....A
Cauffiel, M., 1 <i>H-P</i>.....A	Gilbert, E. K., 1 <i>M</i> , <i>Sp</i> .
Clamer, F. J., 1 <i>M</i>.....S	Glass, A., 3 <i>C-B</i>.....S
Clapham, E. C., 4 <i>M-L</i> , <i>Mu</i>.....A	Gobrecht, L. C., 3 <i>Cl</i>.....A
Closson, J. H., <i>S</i> <i>S</i> .	Good, M. D., 1 <i>E-H</i>.....A
Corkhill, E. A., 1 <i>H-P</i>.....S	Gotshalk, H. C., 1 <i>M</i>.....S

Grebe, M. A., S. S.	Kehl, G. P., 4 M.....A
Greenawalt, N. S., 3 Cl., Mu.....A	Keim, M. V., 2 E-H., S. S.....A
Greenover, E. A. G., 3 M-L., Mu...A	Kelley, S. H., 3 C-B.....A
Gregory, N. B., 4 H-P., S. S.....A	Kengle, R. C., 1 C-B., Pre-Med.
Greiman, W. K., 2 C-B., Pre-Med.	Kershner, C. H., 4 C-B.....A
Griffin, B. W., 1 Cl.....A	Kirkpatrick, M. A., 2 M.....A
Groff, M. K., 2 E-H.....A	Kirschner, J. H., Jr., 2 C-B., Pre-Med.
Groninger, H. E., 1 M-L., Mu.....S	Klause, M. R., S. S.
Gross, M. E., 2 E-H.....A	Klein, J. N., S. S.
Haas, C. J., 1 E-H., Mu., Sp.	Kline, P. J., S. S.
Haelig, D. L., 1 M-L.....A	Klingaman, R. H., 4 Cl.....A
Harding, D. S., 4 C-B.....A	Klingler, C. E., 4 Cl., S. S.....A
Harris, T. S., S. S.	Klopp, J. B., 2 C-B.....S
Hassler, R. I., 4 M-L., S. S.....A	Kratz, B. J., 1 E-H.....A
Hebsacker, R. M., 3 C-B.....A	Kulp, D. B., 2 C-B.....S
Hedrick, R. M., 1 H-P.....A	Kunkel, L. M., 4 M-L.....A
Heebner, E. A., H-P., S. S.	Latshaw, B. A., 2 E-H.....S
Heilman, H. M., 1 M., Mu.....A	Latshaw, C. L., S. S.
Heindel, C. E., 4 M., Mu.....A	Lavelle, C. F., 2 C-B.....A
Helffrich, D. L., 4 H-P.....A	Laveson, D. A., 2 C-B., S. S., Pre-Med.
Heller, E. S., S. S.	Lawrence, C. P., 2 C-B.....A
Henricks, A. Y., 3 E-H., Mu.....A	Leeming, A., 2 Cl.....A
Hershberger, M. J., 3 E-H., Mu....A	Lenker, F. L., 1 M.....A
Hespenheide, R., 2 C-B.....A	Lentz, E. W., Jr., 4 Cl.....A
Hinkle, M. L., 3 M., Mu.....A	Light, G. B., 3 E-H.....A
Hinkle, S. L., 1 Cl., Mu.....A	Linck, C. E., 1 C-B.....A
Hoag, N., S. S.	Little, L. G., 3 C-B.....A
Hocker, M., 1 E-H.....A	Ludwig, D., 2 C-B.....A
Hoover, A. F., 2 E-H., Mu.....S	Ludwig, L. H., 4 Cl.....A
Houck, E. K., 2 C-B.....S	Markley, M. E., S. S.
Howells, H. R., 2 E-H., Mu.....S	Maurer, O. K., 4 Cl.....A
Howells, M. E., S. S.	McBlain, C. B., 2 E-H.....A
Hoyer, L. G., 2 E-H., Mu.....A	McCavery, M. A., 3 M., S. S.....A
Hughes, E. I., 2 E-H.....A	McKee, D. K., 1 M-L.....A
Hunter, J. H., 2 H-P.....A	Mentzer, D. A., 4 E-H., Mu.....A
Huttel, L. H., 4 M-L.....A	Mergenthaler, F. W., 1 M.....S
Huyett, E. E., 4 Cl.....A	Michael, E. B., 1 H-P.....A
Isenberg, H. F., 1 E-H.....S	Miller, C. H., 1 H-P.....A
Isenberg, L. M., 2 E-H.....A	Miller, E. K., 2 C-B., Pre-Med.
Isenberg, P. H., 4 H-P.....A	Miller, W. H. K., 1 H-P.....A
Johnston, R. J., 1 Cl., Mu.....A	Miller, W. M., 1 C-B., Pre-Med.
Jones, I. R., 2 E-H.....A	Mills, M. M., 1 M-L., Mu.....A
Kauffman, H. S., 1 M.....S	

- Mininger, W. W., *S. S.*
 Mitman, M. H., 3 *M-L., Mu.*.....A
 Mockford, J. E., 2 *E-H.*.....A
 Moser, C. A., 4 *H-P.*.....S
 Mosteller, S. S., 2 *M-L., Mu.*.....A
 Mowcomber, H. H., 2 *C-B.*.....S
 Moyer, M. M., 4 *E-H., Mu.*.....A
 Moyer, M. S., 3 *M-L.*.....A
 Moyer, M. B., 1 *E-H.*.....A
 Muschlitz, R. E., 2 *E-H., Mu.*.....A
 Neff, A. L., 2 *E-H.*.....A
 Neuroth, I. E., 2 *Cl., Mu.*.....A
 Newitt, J. G., 3 *H-P.*.....S
 Paine, C. A., 3 *H-P.*.....A
 Peca, W. J., 1 *M.*.....S
 Poley, E. W., 1 *M-L.*.....A
 Prizer, R. E., 2 *H-P.*.....S
 Rahn, M. T., 3 *H-P.*.....A
 Rambo, F., *S. S.*
 Reifsneider, J. S., 2 *C-B.*.....S
 Reimer, H. M., 3 *E-H., Mu.*.....A
 Reimert, W. D., 1 *H-P.*.....S
 Rensch, R. P., 1 *C-B.*.....S
 Richards, A. S., 1 *C-B.*.....S
 Richards, M. L., 2 *E-H.*.....S
 Richman, M. G., 4 *E-H.*.....A
 Ritter, C. D., *S. S.*
 Roeder, A. N., 4 *Cl.*.....A
 Rohrbach, Q. A. W., *S. S.*.....A
 Roland, E., *S. S.*
 Rothermel, M. S., 1 *M.*.....S
 Rutter, C. L., 3 *H-P.*.....A
 Saunders, L. C., 3 *M-L., S. S.*.....S
 Scheetz, S. W., 1 *C-B.*.....S
 Schlater, F. C., 4 *Cl., S. S., Mu.*....A
 Schlegel, F. N., 2 *Cl.*.....A
 Scholl, B. A., 4 *M., S. S., Mu.*.....A
 Schwartz, C. L., 4 *H-P.*.....A
 Seibert, J. H., 1 *C-B.*.....S
 Sellers, J. F., 1 *C-B.*.....S
 Shaffer, W. R., 2 *Cl.*.....A
 Sheeder, F. I., Jr., 3 *Cl.*.....A
 Sheely, H. E., 2 *Cl.*.....A
 Shellenberger, C. U., 4 *Cl., Mu.*....A
 Shirey, E. G., 4 *M-L., Mu.*.....A
 Shreve, B. C., 1 *E-H.*.....S
 Shuler, H. M., 1 *C-B.*.....S
 Slotterer, M. E., 3 *E-H.*.....A
 Smith, P. L., *S. S.*
 Snavelly, R. H., *S. S.*
 Sneyd, J. H., 1 *C-B.*.....A
 Snyder, R. E., 4 *E-H., Mu.*.....A
 Snyder, W. H., 2 *E-H.*.....A
 Staples, P. W., 1 *C-B., Sp.*
 Stauffer, F. W., 2 *H-P.*.....A
 Stock, J. F. W., 3 *M., Mu.*.....S
 Stover, W. S., 2 *Cl.*.....A
 Sturges, G. K., *S. S.*
 Tomlinson, J. W., 2 *C-B.*.....S
 Trout, G. W., 1 *E-H., Mu.*.....A
 Tyler, A. A., 2 *E-H.*.....S
 Tyson, D. S. 1 *H-P., Mu., Sp.*
 Tyson, N. T., *S. S.*
 Undercuffler, E. T., 3 *E-H., S. S.*
 Updike, W. R., 2 *C-B.*.....A
 Vine, M., 1 *C-B.*.....A
 Vosburg, E. E., Jr., 2 *C-B.*.....S
 Wagner, S. G., *S. S.*
 Waldron, J. W., 1 *M.*.....S
 Walker, E. H., 3 *C-B.*.....A
 Webb, P. P., *S. S.*
 Weisel, J. H., 4 *C-B., S. S.*.....A
 Weller, C. H., 3 *Cl., Mu., S. S.*....A
 Wikoff, J. L., 1 *C-B., Pre-Med.*
 Wildasin, H. C., 3 *Cl., S. S.*.....A
 Williams, D. E., 2 *C-B.*.....A
 Wolford, W. O., 4 *Cl.*.....A
 Wood, T. R., 4 *C-B.*.....A
 Xander, M. J., 4 *C-B., Mu.*.....A
 Xander, M. Z., 2 *C-B., Mu.*.....S
 Yost, E. B., 4 *Cl.*.....A
 Yost, M. A., 1 *M-L., Mu.*.....A
 Zechman, A. L., *S. S.*
 Zendt, A. R., 3 *H-P.*.....A
 Zerfoss, K., 2 *E-H., Sp.*

PRIZES, HONORS AND DEGREES

Awarded in 1920-1921

PRIZES

JUNIOR ORATORICAL PRIZES FOR MEN—Clyde Llewellyn Schwartz,
George Pannebecker Kehl.

JUNIOR ORATORICAL PRIZES FOR WOMEN—Helen Fahringer, Catherine
Elizabeth Heindel.

HAVILAH MCCURDY ESSAY PRIZE—Franklin Irvin Sheeder, Jr.

SCHOLARSHIP PRIZES:

Collegeville High School—Blanche Josephine Kratz.

Germantown (Phila.) High School—Margaret Hocker.

Philadelphia High School for Girls—Helen Frances Isenberg.

Pottstown High School—Grace Wella Trout.

Reading High School for Girls—Sarah Lorah Hinkle.

Spring City High School—Ethel Adeline Fox.

York High School—Henry Solomon Kauffman.

GOLD CROSS FOR MEN, offered by Rev. O. P. Schellhamer, D.D.—Miles
Victor Miller.

GOLD CROSS FOR WOMEN, offered by J. Edward Omwake—Leah A.
Gingrich.

HONORS

(DEPARTMENT HONORS)

CHEMISTRY—Beatrice Brooks, Linneaus Arthur Walton.

FRENCH—Nora Bean Keely.

(COMMENCEMENT PARTS)

VALEDICTORY ORATION—Lucile Bernice Wagner.

SALUTATORY ORATION—John Edwin Wildasin.

DEGREES

DOCTOR OF LAWS (HONORARY)—Andrew R. Brodbeck,* Josiah Harmar
Penniman,* George Warren Richards.*

DOCTOR OF LETTERS (HONORARY)—I. Harvey Brumbaugh,* Francis
Willard Kennedy.*

DOCTOR OF PEDAGOGY (HONORARY)—Calvin O. Althouse.†

DOCTOR OF SCIENCE (HONORARY)—John Wentworth Clawson.*

DOCTOR OF DIVINITY (HONORARY)—William Thomson, Charles Henry Brandt,* William Harvey Erb,* Harry W. Bright,* Robert C. Wells.*

BACHELOR OF DIVINITY (IN COURSE)—Harold Benner Kerschner.

BACHELOR OF ARTS *Magna Cum Laude*—Alma Lorraine Fries, Lucile Bernice Wagner.

BACHELOR OF ARTS *Cum Laude*—Leah A. Gingrich.

BACHELOR OF ARTS—Kathryn Elizabeth Barnes, Anne Davis Beddow, Miriam Dorinda Boeshore, Charles Matthew Brooke, Oliver Shellenberger Brownback, Mary Bancroft Closson, Cora Lysinger Danehower, Naomi C. Detwiler, Mildred Dentzel Erney, Daniel Benjamin Franklin, Helen Lachman Fry, Webster A. Gensler,† John Lloyd Glass, Anna Doretta Grim, Eugene Strain Grossman, Daniel Edgar Grove, Margaret Hester Harclerode, Reginald Harding, Clarence Edgar Heffelfinger, Arthur Roy Hefren, Joseph Carbaugh Hess, Anna Kathryn High, Lois Hook, Nora Bean Keely, Emma Schaeffer Kirschner, Anna Alverda Knauer, John Francis Knipe, Joseph Leroy Miller, Miles Victor Miller, Leopold Paul Moore, John William Myers, Lillian Zoe Rayser, Olive Loretta Slamp, Doris Holt Sutcliffe, Daniel Nash Tippin, Joseph Howard Weisel,† John Edwin Wildasin.

BACHELOR OF SCIENCE—Beatrice Brooks, Pauline Boileau Davis, Bertram Miller Light, Thomas Hartley Richards, Sanford Elihu Vedder, Linneaus Arthur Walton, John Francis Willauer, John Charles Wood.

* Conferred at the Fiftieth Anniversary Celebration, October 20, 1920.

† Conferred on Founders' Day, February 17, 1921.

ALUMNI ORGANIZATIONS

THE ALUMNI ASSOCIATION

Graduates of the College and all persons admitted to a degree higher than the first in the institution are eligible to membership.

The Association is entitled to a representation of five members in the Board of Directors. These members are nominated by the Association and serve five years.

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Historian—REV. CARL G. PETRI, '00, Spring City, R. F. D., Pa.

Librarian—W. A. KLINE, '93, Collegeville, Pa.

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President—HENRY W. MATHIEU, '11, Trappe, Pa.

Vice-President—H. R. MILLER, Collegeville, Pa.

Secretary—W. R. DOUTHETT, '12, Darby, Pa.

Treasurer—R. E. MILLER, '05, Collegeville, Pa.

THE URSINUS WOMAN'S CLUB

President—MRS. HELEN NEFF TYSON, '09, Collegeville, Pa.

Secretary—MRS. L. A. SHIFFERT, Pottstown, Pa.

Treasurer—MRS. GEORGE L. OMWAKE, Collegeville, Pa.

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1878 REV. J. G. NEFF, A.B., '74.....Deceased.

1879 J. A. STRASSBURGER, ESQ., A.M., '73...Deceased.

1880 REV. D. W. EBBERT, A.M., D.D., '75..Barberton,

Ohio.

1881 F. G. HOBSON, ESQ., A.M., LL.D., '76..Deceased.

1882 PROF. A. M. TICE, A.M., '74.....Deceased.

1883 REV. D. U. WOLFF, A.M., D.D., '75...Myerstown,

Pa.

1884 REV. P. Y. SHELLY, A.B., D.D., '77....Philadelphia.

1885 REV. A. B. MARKLEY, A.B., Ph.D., '76..Lancaster,

Pa.

1886 REV. F. F. BAHNER, A.M., D.D., '73...Waynesboro,

Pa.

1887 REV. M. H. GROH, A.M., '74.....Deceased.

1888 REV. G. S. SORPER, A.M., D.D., '76....York,

Pa.

1889 REV. J. PERRY BEAVER, A.B., '80.....Coeymans,

N. Y.

1890 REV. FRANCIS C. YOST, A.B., D.D., '76..Philadelphia.

1891	REV. E. R. CASSADAY, A.M., '77.....	Philadelphia.	
1892	REV. J. H. BOMBERGER, A.M., D.D., '77.	Deceased.	
1893	PROF. P. C. MENSCH, M.D., Ph.D., '87.	Deceased.	
1894	REV. S. L. MESSINGER, A.M.; D.D., '85..	Trappe,	Pa.
'1895	REV. J. W. MEMINGER, A.B., D.D., '84.	Lancaster,	Pa.
1896	REV. CHARLES E. WEHLER, D.D., '87...	Frederick,	Md.
1897	A. W. BOMBERGER, ESQ., A.M., '82.....	Deceased.	
1898	IRA L. BRYNER, ESQ., A.M., '92.....	Pasadena,	Cal.
1899	REV. J. LEWIS FLUCK, A.M., D.D., '88..	Myerstown,	Pa.
'1900	ELEANOR B. PRICE, B.S., A.M., '86.....	Norristown,	Pa.
1901	REV. EDWARD S. BROMER, D.D., '90...	Lancaster,	Pa.
1902	REV. W. H. WOTRING, A.M., D.D., '89.	Nazareth,	Pa.
1903	IRVIN C. WILLIAMS, A.B., LL.B., '91..	Royersford,	Pa.
'1904	REV. I. CALVIN FISHER, D.D., '89.....	Lebanon,	Pa.
1905	ALVIN HUNSICKER, B.S., '84.....	New York City.	
1906	WILLIAM J. HINKE, Ph.D., D.D., '94..	Auburn,	N. Y.
1907	REV. CALVIN D. YOST, A.M., B.D., '91..	Collegeville,	Pa.
'1908	REV. PAUL H. LAND, Ph.D., '92.....	New York City.	
'1909	LT. COL. ROBERT M. YERKES, Ph.D., '97.	Washington,	D. C.
'1910	REV. EDWARD F. WIEST, D.D., '93.....	Lebanon,	Pa.
'1911	EDWIN MILLER FOGEL, Ph.D., '94.....	Philadelphia.	
1912	GEORGE STIBITZ, Ph.D., D.D., '81.....	Dayton,	Ohio.
1913	RALPH HUSTON SPANGLER, M.D., '97..	Philadelphia.	
'1914	REV. A. D. WOLFINGER, D.D., '09.....	Newton,	N. C.
'1915	CHAS. A. WAGNER, A.M., Ph.D., '06..	Chester,	Pa.
'1916	REV. ALBERT N. STUBBLEBINE, B.D., '96.	Dallas,	Texas.
'1917	MARY E. MARKLEY, A.M., '02.....	New York City.	
1918	PROF. RALPH L. JOHNSON, A.M., Sc.D., '97..	Philadelphia.	
1919	REV. N. D. BARTHOLOMEW, D.D., '02..	Buffalo,	N. Y.
1920	JESSE S. HEIGES, A.M., '98.....	Shippensburg,	Pa.

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